





# LOAN DOCUMENT

<b>AD-A241 727</b> 	<b>PHOTOGRAPH THIS SHEET</b>		 <b>INVENTORY</b>																						
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<b>DOCUMENT IDENTIFICATION</b> <b>15AFETAC/DS 91/132</b> <b>Apr 87</b>																									
<b>DISTRIBUTION STATEMENT A</b> Approved for public release; Distribution Unlimited																									
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AD-A241 727



## OPERATING LOCATION - A

### USAFETAC

Air Weather Service (MAC)



#### REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

SIMMONS AAF/FT BRAGG NC MSC #746930  
N 35 08 W 078 56 ELEV 242 FT FPG

PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST

#### PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: JUL 61 - DEC 86

TIME CONVERSION GMT TO LST -5

29 APR 1987

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Distribution Unlimited."

ASHEVILLE, N.C. 28801 - 2723

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**REPORT DOCUMENTATION PAGE**

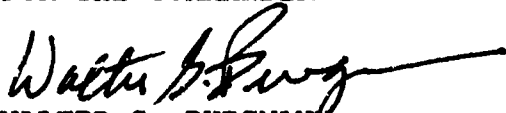
2. Report Date: Apr 1987
3. Report Type and Dates Covered: Data Summary (RUSSWO) Jul 61-Dec 86
4. Title: Revised Uniform Summary of Surface Weather Observations for Simmons AAF, Ft Bragg, North Carolina, MSC 746930
7. Performing Organization Name and Address: Operating Location A, USAF Environmental Technical Applications Center (OL-A, USAFETAC), Federal Building, Asheville, NC 28801-2723
8. Performing Organization Report Number: USAFETAC/DS--91/132
12. Distribution/Availability Statement: Approved for public release; distribution is unlimited.
13. Abstract: A Revised Uniform Summary of Surface Weather Observations (RUSSWO) for Simmons AAF, Ft Bragg, North Carolina. See USAFETAC/TN-83/OO1 (AD-132186) for a complete description of the RUSSWO and its contents, as well as instructions for use.
14. Subject Terms: CLIMATOLOGY, WEATHER, WEATHER STATIONS, WEATHER OBSERVATIONS, STATISTICS, METEOROLOGICAL PHENOMENA, ATMOSPHERIC PHENOMENA, ATMOSPHERIC PRESSURE, PRECIPITATION, VISIBILITY, WIND, CLOUD, CLOUD CEILING, SKY COVER, PSYCHROMETRIC DATA, TEMPERATURE, RELATIVE HUMIDITY, SIMMONS AAF, FT BRAGG, NORTH CAROLINA
15. Number of Pages: 420
17. Security Classification of Report: Unclassified
18. Security Classification of this Page: Unclassified
19. Security Classification of Abstract: Unclassified
20. Limitation of Abstract: UL



#### REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-91/132, Revised Uniform Summary of Surface Weather Observations (RUSSWO) for Simmons AAF, Ft Bragg, North Carolina, has been reviewed and is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

FOR THE COMMANDER



WALTER S. BURGMANN  
Scientific and Technical Information  
Program Manager

I HAVE REVIEWED AND FOUND SATISFACTORY THIS PRODUCT

Wm Gibbs, Jr  
19 Apr 87

Wm. Fountain

9 Apr 87

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

## HOURLY OBSERVATIONS

Hourly observations are defined as those recorded on record-special observations recorded at scheduled hourly intervals.

## DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

## DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising such part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Air Force and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station

### PART A VISIBLE CONDITIONS

#### ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

#### SNOWFALL

#### SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CLOUD VERSUS VISIBILITY

#### SKY COVER

### PART E DAILY MAX, MIN, & MEAN TEMP

#### EXTREME MAX & MIN TEMP

#### PSYCHROMETRIC-DRY VS WET BULB

#### MEAN & STD DEV

#### DRY BULB, WET BULB, & DEW POINT

#### RELATIVE HUMIDITY

### PART F STATION PRESSURE

#### SEA LEVEL PRESSURE

## STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

## MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT.)		CALL SIGN		WMO NUMBER	
BAGG NC/SIMMONS		N 35 08		W 078 56		242		FBG		74693	
STATION LOCATION AND INSTRUMENTATION HISTORY											
LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY			
		FROM	TO			FIELD (FT)	HT. BARO.				
Simmons AAF	AAF	Mar 67	Feb 68	N 35 08	W 078 56	242	252	24			
	Same	Mar 68	Dec 70	Same	Same	Same	304	24			
	Same	Jan 71	Feb 79	Same	Same	Same	Same	24			
	Same	Jan 82	Mar 87	Same	Same	Same	244	24			
SURFACE WIND EQUIPMENT INFORMATION											
LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
Located on roof of control tower.	AN/GMQ-11	RO-2A	107 ft								
Located approximately 300 ft S of mark of instrument runway 27.	GMQ-20	RO-2	13 ft								
Located 400 ft S of centerline and 800 ft from end of runway 27.	Same	RO-362	Same								
	Same	Same	Same								
	Same	Same	Same								

CONTINUED ON REVERSE SIDE

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

(OL A)

FORM 5-64

[illegible]

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category, on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746930

SIMMONS AAF/FT BRAGG NC

77-86

JAN

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR S'FEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		10.5	.8	1.3		12.2	14.8	3.7			18.0	918
	03-05		12.7	1.2	1.2		14.5	19.1	2.3			21.0	918
	06-08	.1	13.4	2.0	2.1		16.5	25.8	6.1			30.4	922
	09-11	.1	11.7	1.4	1.1		14.1	24.2	14.9			38.1	924
	12-14		11.9	1.3	2.3		14.9	15.4	8.1			22.7	924
	15-17		11.1	.9	.9		12.8	16.7	7.4			22.4	924
	18-20		10.5	.5	.6		11.6	14.4	5.1			18.8	924
	21-23		11.7	.8	.8	.1	13.2	13.7	3.7			16.9	924
TOTALS		.0	11.7	1.1	1.3	.0	13.7	18.0	6.4			23.5	7378

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USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

74693

SIMMONS AAF/FT PRAUG NC

77-86

FEB

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-01	.02	10.1	.5	1.5		11.6	16.1	2.6		.4	17.8	843
	03-05	.04	8.9	1.3	1.5		11.6	19.7	2.4		.6	21.5	843
	06-08	.05	10.1	1.2	1.2		12.5	28.7	6.1	.2	.7	33.8	843
	09-11	.02	10.1	.9	2.3		13.0	24.2	15.5	.6	.6	38.4	843
	12-14	.01	9.9	.5	1.7	.1	11.1	13.6	10.9	.4	.5	24.6	843
	15-17		10.0		1.5		11.1	12.1	9.7	.2	.6	21.1	844
	18-20	.07	10.0		.5		10.5	12.3	6.6		.8	18.1	843
	21-23	.04	8.8	.4	.5		9.8	12.9	3.0		.4	15.7	843
TOTALS		.02	9.6	.6	1.3	.1	11.3	17.5	7.0	.2	.6	23.9	6745

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# WEATHER CONDITIONS

746937 STATION

SIMMONS AAF/FT DRAGG NC

77-86

STATION NAME

YEARS

MAR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	1.0	9.9	.3	.5		10.8	11.7	1.2			12.4	930
	03-05	.2	10.6	.5	.3		11.3	16.0	1.1			17.0	930
	06-08	.6	12.2	.2	.5		12.8	26.5	7.4			31.7	930
	09-11		11.8	.4	.6		12.7	16.0	13.0			27.7	930
	12-14	.2	9.7		.5		10.5	10.4	8.1		.3	18.3	930
	15-17	.5	8.1		1.2	.1	9.2	8.3	4.5	.3	.4	13.1	930
	17-20	1.6	8.7		1.1		10.0	8.1	3.4	.2	.3	11.8	930
	21-23	.6	7.7		1.1		8.8	8.6	.6	.1	.2	9.5	930
TOTALS		.6	9.8	.2	.5	.1	10.5	13.2	4.9	.1	.2	17.7	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746937

SIMMONS AAF/FT BRAGG NC

77-86

APR

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-07	.6	5.4				5.4	6.6	.9			7.4	900
	03-05	.2	6.4				6.4	11.0	.4			11.3	900
	06-08	.3	6.0				6.0	22.9	9.9			29.0	900
	09-11	.1	5.4				5.4	9.0	11.4			19.9	900
	12-14	.3	4.9			.2	4.9	3.9	8.9		.3	12.8	900
	15-17	1.3	6.7		.2		6.8	3.8	6.6		.8	11.1	900
	18-20	2.3	7.8				7.8	5.0	5.2		.3	10.4	900
	21-23	1.6	6.3				6.3	6.2	.9			7.1	900
TOTALS		.8	6.1		.2	.0	6.1	8.6	5.5		.2	13.6	7200

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AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746930

SIMMONS AAF/FT BRAGG NC

77-86

MAY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	1.5	7.3				7.3	15.6	2.8			17.6	930
	03-05	1.0	7.8				7.8	31.5	4.7			33.8	930
	06-08	.2	5.9				5.9	39.4	21.7			52.7	930
	09-11	.2	4.2				4.2	11.4	25.1			34.4	930
	12-14	1.3	5.6				5.6	4.8	17.5			22.3	930
	15-17	3.3	6.0				6.0	3.2	16.8		.1	19.5	930
	18-20	3.3	6.4				6.4	4.8	12.6			17.1	929
	21-23	2.9	7.7				7.7	8.5	5.3			13.1	930
TOTALS		1.7	6.4				5.4	14.9	13.3		.0	26.3	7439

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# WEATHER CONDITIONS

746930

SIMMONS AAF/FT BRAGG NC

77-86

JUN

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.4	3.4				3.4	12.9	14.6			24.8	900
	03-05	1.2	3.8				3.8	34.3	18.8			43.8	900
	06-08	.8	4.9				4.9	44.9	39.1			68.9	900
	09-11	.2	3.3				3.3	9.6	44.6			51.4	900
	12-14	1.8	3.2				3.2	2.9	36.7			38.9	900
	15-17	4.9	6.9				6.9	4.4	33.9			38.0	900
	18-20	5.0	6.0				8.0	7.1	31.3			37.7	900
	21-23	4.6	6.8				6.8	9.1	18.6			26.1	900
TOTALS		2.5	5.0				5.0	15.7	29.0			41.2	7200

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746930

SIMMONS AAF/FT BRAGG NC

77-86

JUL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.7	4.2				4.2	20.3	17.6			33.2	930
	03-05	.8	4.0				4.0	37.4	19.7			47.3	930
	06-08	1.1	4.5				4.5	52.7	39.8			73.8	930
	09-11	.4	3.9				3.9	13.0	52.7			61.8	930
	12-14	3.5	4.9				4.9	4.5	49.7			53.1	930
	15-17	9.7	9.1			.1	9.1	4.0	41.6		.1	44.8	930
	18-20	9.7	8.7				8.7	7.2	36.2			42.5	930
	21-23	4.3	7.3				7.3	11.8	21.5			30.8	930
TOTALS		3.9	5.8			.0	5.8	18.9	34.9		.0	48.4	7440

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

706930

SIMMONS AAF/F1 BRAGG NC

77-86

AUG

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-07	2.4	4.8				4.3	16.3	24.3			36.9	930
	08-05	.6	3.8				3.3	36.6	25.9			49.4	930
	06-08	.6	3.9				3.9	55.9	41.5			75.1	930
	09-11	.3	2.9				2.9	13.8	51.6			60.2	930
	12-14	2.7	5.1				5.1	2.6	45.1			46.8	930
	15-17	9.5	7.8			.1	7.8	3.7	40.5			43.5	930
	18-21	7.4	8.5				8.5	6.9	33.4			38.4	930
	21-23	4.4	7.2				7.2	8.1	25.3			31.5	930
TOTALS		3.5	1.5			.0	5.5	18.0	36.0			47.7	7440

NAVWEASERVCOM



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746930

SIMMONS AAF/FT BRAGG NC

77-86

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.8	6.2				6.2	19.6	16.6			30.1	900
	03-05	.2	7.4				7.4	35.4	16.6			42.4	900
	06-08	.1	7.0				7.0	56.0	32.7			70.6	900
	09-11	.3	6.9				6.9	17.8	40.7			53.2	900
	12-14	.6	6.6				6.6	6.9	30.4			36.8	900
	15-17	2.1	7.1				7.1	7.3	26.1			32.6	900
	18-20	2.0	6.7				6.7	9.2	21.7			30.0	900
	21-23	1.9	6.2				6.2	12.2	17.9			27.3	900
TOTALS		1.0	6.8				6.8	20.6	25.3			40.4	7200

NAVWEASERVCOM

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

706930

SIMMONS AAF/FT BRAGG NC

77-86

OCT

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.5	6.9				6.9	18.9	4.0			21.9	930
	03-05	.4	7.5				7.5	30.3	3.9			31.7	930
	06-08	.4	6.1				6.1	45.9	13.4			50.9	930
	09-11	.2	7.1				7.1	18.7	23.4			37.3	930
	12-14	.3	7.1				7.1	8.9	11.7			18.8	930
	15-17	.3	6.8				6.8	6.9	8.3			14.3	930
	18-20	.4	7.2				7.2	8.0	6.2			14.0	930
	21-23	.3	6.5				6.5	11.1	4.2			14.8	930
TOTALS		.4	7.2				7.2	18.6	9.4			25.5	7440

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746933

SIMMONS AAF/FT BRAGG NC

77-86

NOV

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		9.4				9.4	23.7	2.3			25.3	900
	03-05	.1	12.0				12.0	29.0	2.0			29.7	900
	06-08	.2	12.6				12.6	44.8	6.1			46.9	900
	09-11	.7	10.0				10.0	30.8	17.4			44.3	900
	12-14	.2	10.3				10.3	16.4	13.0			29.8	900
	15-17		8.7				8.7	14.8	8.6			22.1	900
	18-20	.1	10.1				10.1	15.4	4.1			18.3	900
	21-23	.3	9.2				9.2	20.0	3.0			21.6	900
TOTALS		.2	11.3				10.5	24.6	7.1			29.8	7200

NAVWEASERVCOM

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746930 STATION

SIMMONS AAF/FT BRAGG NC

77-86

DEC MONTH

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		9.7		.2		9.7	16.4	.3			16.7	920
	03-05	.2	12.3	.1	.3		12.6	21.5				21.5	921
	06-08	.1	10.6	.2	.4		11.3	28.4	2.0			29.8	921
	09-11		11.0		.4		11.5	26.5	9.6			33.5	924
	12-14		11.5	.1	.4		11.9	14.8	7.6			21.1	924
	15-17		8.1	.3			8.4	12.1	4.3			15.4	916
	18-20		9.5	.1			9.6	11.2	1.5			12.3	910
	21-23		8.7		.6		8.8	12.9	.4			13.0	909
TOTALS		.6	10.2	.1	.3		10.5	18.0	3.2			20.4	7345

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

746930

SIMMONS AAF/FT BRAGG NC

77-86

ALL

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	11.7	1.1	1.3	.0	13.7	18.0	6.4			23.5	7378
FEB		.3	9.6	.6	1.3	.0	11.3	17.5	7.0	.2	.6	23.9	6745
MAR		.6	9.8	.2	.8	.0	10.6	13.2	4.9	.1	.2	17.7	7440
APR		.8	6.1		.0	.0	6.1	8.6	5.5		.2	13.6	7200
MAY		1.7	6.4				6.4	14.9	13.3		.0	26.3	7439
JUN		2.5	5.0				5.0	15.7	29.6			41.2	7200
JUL		3.9	5.8			.0	5.8	18.9	34.9		.0	48.4	7440
AUG		3.5	5.5			.0	5.5	18.0	36.0			47.7	7440
SEP		1.0	6.8				6.8	20.6	25.3			40.4	7200
OCT		.4	7.2				7.2	18.6	9.4			25.5	7440
NOV		.2	10.3				10.3	24.6	7.1			29.8	7200
DEC		.0	10.2	.1	.3		10.5	18.0	3.2			20.4	7345
TOTALS		1.2	7.9	.2	.3	.0	8.3	17.2	15.2	.0	.1	29.9	87467

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## PART A

### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence. This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
~~WEATHER~~ **WEATHER** ~~CONDITIONS~~  
ATMOSPHERIC PHENOMENA

746930

SIMMONS AAF/FT BRAGG NC

61-85

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.9	40.4	5.1	9.1		43.1	47.2	39.5	.4		61.1	772
FEB		4.5	36.7	2.3	7.2	.3	40.9	45.5	40.2	.6		59.1	706
MAR		9.3	40.4	.8	3.2	.4	41.3	45.3	37.8	.1		55.7	775
APR		10.9	36.9		.3	.7	37.1	38.4	34.8		.1	50.1	750
MAY		20.3	45.3			.4	45.3	57.5	53.2			69.2	775
JUN		25.7	44.3			.9	44.3	66.5	68.3		.1	80.1	750
JUL		37.1	51.2			.5	41.2	70.3	75.9		.1	85.7	806
AUG		30.5	44.6			.8	44.6	72.5	74.5			84.9	793
SEP		11.7	34.0				34.1	69.7	65.4			78.5	780
OCT		4.1	25.8				25.9	54.9	53.8			65.6	805
NOV		3.5	32.3		1.0	.1	32.6	50.2	44.0			62.0	779
D C		1.5	37.5	1.6	4.0	.1	38.5	47.9	37.4			58.4	832
TOTALS		13.4	39.5	.8	2.1	.3	40.1	55.5	52.1	.1	.0	67.5	9293

NAVWEASERVCOM

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:
 

EXTREME DAILY PRECIPITATION	"00" equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	"0" equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0" equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.



NOTES:

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945      at 0800IST  
Jan 46-May 57      at 1230GMT  
Jun 57-present      at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52      at 0030GMT  
Jul 52-May 57      at 1230GMT  
Jun 57-present      at 1200GMT

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

746937

SIMMONS AAF/FT BRAGG NC

61-86

**STATION**

STATION NAME

**YEARS**

AMOUNTS (INCHES)															TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
PRECIP	NONE	TRACE	01	02	03	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000		PERCENT OF DAYS WITH MEASUR- ABLE AMTS	MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 304	355 504	505 604	605 704	705 804	805 904	905 1004	1005 1104
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	55.1	10.9	2.2	7.1	3.6	6.6	6.7	5.2	2.6						34.1	772	3.56	5.95	.88
FEB	57.5	9.1	1.8	4.4	3.4	8.2	5.9	5.4	4.0	.3					33.4	706	3.96	7.51	.92
MAR	57.8	10.1	1.5	4.0	4.4	6.6	6.6	6.5	2.3	.3					32.1	775	4.08	8.33	.63
APR	62.0	12.7	1.6	3.7	3.3	6.4	4.1	3.9	2.3						25.3	750	2.72	5.05	.43
MAY	53.2	14.6	1.8	5.8	4.0	7.5	5.8	5.0	7.3						32.3	775	3.44	7.09	1.01
JUN	54.9	12.1	2.7	3.7	4.7	4.9	5.7	6.3	4.3	.8					33.1	750	5.18	9.85	2.05
JUL	46.8	12.3	2.2	7.1	4.2	6.6	8.7	6.9	4.3	.9					40.9	806	5.95	15.36	1.97
AUG	53.7	12.7	2.1	4.7	4.7	5.9	5.7	4.8	5.2	.5					33.5	793	4.97	11.29	1.12
SEP	65.4	9.7	2.3	4.0	2.3	4.1	5.0	3.6	3.1	.5					24.9	780	3.56	8.31	.09
OCT	72.6	9.3	1.5	3.8	1.9	4.6	3.1	2.2	2.6	.4					20.1	806	2.65	7.21	.23
NOV	66.9	9.4	1.0	4.4	2.1	5.1	4.0	4.4	2.6	.3					23.7	780	3.20	8.62	.34
DEC	60.2	9.0	1.7	6.5	2.4	6.5	5.9	4.7	3.0	.1					30.8	802	3.26	8.35	.39
ANNUAL	58.7	11.0	1.9	4.9	3.4	6.1	5.6	4.9	3.2	.3					30.3	9295	6.53		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 61-86

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
61	.89	1.07	1.41	.64	.81	1.97	1.20	*1.74	.80	.61	1.39	.70	4.08
62	1.21	.81	1.37	.60	1.37	.97	1.50	2.30	1.55	.57	4.08	1.14	4.62
63	1.43	1.54	3.44	1.18	.62	1.16	2.75	1.47	2.39	.25	4.62	1.03	4.52
64	.41	1.51	2.22	.55	.29	3.78	4.10	.60	4.52	3.27	.41	1.92	4.10
65	1.16	1.50	1.38	.20	.99	.86	1.28	1.63	1.40	.55	1.11	.76	1.63
66	.96	1.63	.24	1.24	.74	1.84	.97	2.88	1.69	.75	1.30	1.18	2.88
67	1.00	.73	.63	.66	.24	.59	2.21	1.25	.05	4.57	1.02	.67	4.57
68	.78	.99	.96	1.54	1.92	2.47	1.77	1.53	1.77	1.08	.99	1.12	2.47
69	.73	.92	.78	2.17	.71	2.11	1.37	.84	1.75	.63	1.08	1.41	2.17
70	1.44	2.67	1.92	2.10	1.32	1.52	.96	1.43	.93	1.44	.65	*.69	2.67
71	*2.06	1.03	1.23	.94	.89	1.51	3.37	1.53	1.98	.92	1.40	*1.21	3.37
72	.81	3.31	2.67	1.63	1.30	.60	2.22	1.84	.63	.14	.19	1.84	3.31
73	1.20	1.33	2.18	.68	1.52	3.29	.96	3.24	1.47	1.01	1.23	.77	3.29
74	1.67	1.79	1.52	1.00	.80	.66	3.17	.42	2.93	1.26	1.07	1.24	3.17
75	.94	1.03	.98	.24	1.65	3.50	.81	1.54	.68	1.82	1.37	1.25	3.50
76	1.10	.78	1.36	.57	2.25	2.29	1.03	1.97	1.04	1.21	.88	1.23	2.29
77	1.69	.45	1.26	1.41	1.08	2.93	1.34	*.54	.91	1.04	1.54	1.40	2.93
78	.77	.69	1.13	1.28	1.33	2.06	1.07	1.59	4.51	.34	1.80	.50	4.51
79	.59	.74	1.21	2.21	.54	2.77	1.31	.71	1.43	1.58	.65	.82	2.77
80	.42	1.10	.38	.18	2.09	1.55	1.23	2.23	1.44	1.35	.21	1.35	2.23
81	1.90	1.11	.90	1.14	1.05	2.42	1.39	.38	1.10	2.96	.86	*1.53	2.96
82	*.66	1.37	2.00	.92	.50	.87	.43	1.21	1.26	1.75	.80	*2.61	*2.61
83	*1.40	2.25	1.34	1.05	2.23	1.30	3.14	1.36	3.09	.64	.26	.84	3.14
84	1.46	1.12	.90	1.17	.86	4.62	2.21	1.01	.35	1.52	2.37	.39	4.62
85	.81	.64	.91	.39	1.19	1.29	.82	2.92	.54	.58	.89	1.28	2.92
86	1.062	1.284	1.381	1.028	1.132	1.965	1.712	1.568	1.572	1.313	1.309	1.448	3.350
MEAN	.406	.663	.732	.587	.570	1.063	.922	.756	1.131	1.019	1.035	.429	.967
S.D.	.772	.706	.775	.750	.775	.750	.806	.793	.780	.806	.780	.602	.9295
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 61-86

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61	3.58	2.55	3.77	2.18	2.49	7.72	3.12	5.45	1.75	.88	1.92	2.51	45.89
62	4.24	3.38	3.48	3.38	2.82	3.30	4.25	3.31	4.81	1.36	6.38	3.49	49.34
63	5.13	5.94	5.53	3.38	2.17	4.20	8.89	7.28	6.91	.56	6.96	3.81	61.79
64	1.35	4.82	8.33	2.12	1.10	9.85	9.66	2.94	1.47	2.74	.81	4.34	46.86
65	4.55	4.26	1.83	1.53	5.45	3.14	2.88	5.20	4.12	1.50	2.09	.39	39.22
66	2.82	4.23	.63	1.96	2.90	5.72	3.82	9.50	3.65	1.04	3.54	4.16	43.97
67	3.18	.92	1.91	2.04	1.01	2.32	6.47	2.62	.09	6.58	4.32	3.33	34.79
68	1.33	2.96	3.64	3.59	2.52	8.50	5.46	5.72	4.25	1.32	1.80	3.26	44.35
69	2.06	3.25	3.83	3.63	2.38	2.84	4.33	2.88	3.41	2.87	1.85	1.77	35.10
70	5.34	5.61	4.89	4.05	2.06	2.66	5.55	3.60	1.83	7.09	1.13	*1.56	*45.37
71	*5.03	4.61	4.07	2.38	4.76	3.94	11.79	3.93	5.43	1.65	7.22	*3.99	*58.80
72	3.66	5.60	7.08	4.53	5.09	5.31	6.31	3.66	1.68	.23	.34	6.87	50.36
73	3.42	6.31	5.13	1.95	7.09	6.23	5.21	11.29	3.34	1.55	3.80	3.62	58.94
74	5.95	6.23	6.11	2.50	3.14	2.84	11.74	1.12	8.31	1.59	2.49	5.02	57.44
75	2.94	1.32	2.96	.54	5.08	8.54	2.41	3.21	2.42	4.34	3.18	4.76	41.70
76	3.79	1.19	5.17	1.03	4.36	7.46	2.86	8.06	2.66	3.96	2.49	4.46	47.49
77	5.45	1.65	3.57	4.85	4.72	9.18	6.39	*1.60	1.39	1.10	5.51	2.54	*47.95
78	3.46	2.75	4.60	3.44	4.61	4.07	3.68	5.56	8.22	.95	4.54	1.21	47.09
79	3.59	1.32	5.65	5.05	1.42	4.98	3.14	2.23	7.44	3.45	2.08	2.20	42.55
80	.88	3.28	1.65	.43	5.35	2.98	4.30	7.52	1.62	2.14	.63	5.72	36.50
81	5.22	5.34	2.60	4.09	2.33	6.37	4.12	1.67	2.14	3.60	2.00	*4.48	*43.96
82	*2.82	7.51	7.14	3.92	1.96	2.05	1.97	2.79	4.29	3.03	3.68	*8.35	*49.51
83	*2.86	6.84	5.71	4.21	5.62	4.68	15.36	4.79	4.15	1.08	.39	1.71	*56.40
84	4.85	4.63	1.35	1.66	3.25	7.76	8.46	5.17	.38	4.45	8.62	.64	51.22
85	1.61	2.60	2.48	.62	2.28	2.80	3.89	10.80	1.26	2.11	3.19	3.42	37.06
MLAN	3.564	3.964	4.084	2.715	3.438	5.178	5.950	4.967	3.562	2.645	3.203	3.258	45.877
S.D.	1.465	1.919	1.944	1.379	1.635	2.404	3.361	2.796	2.330	1.971	2.215	1.621	7.841
TOTAL OBS	772	706	775	750	775	750	806	793	780	806	790	802	9295

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**DAILY AMOUNTS**  
PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

746930      SIMMONS AAF/FT BRAGG NC      61-86

STATION NAME      YEARS

PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	91.5	5.7	.5	1.3	.1	.6	.3							2.8	772	1.6	8.1	.0
FEB	93.1	5.1	.3	.6	.1	.4	.1	.1	.1					1.8	706	1.3	7.8	.0
MAR	96.8	2.1	.3	.3	.4				.3					1.2	775	.9	8.5	.0
APR	99.7	.3													750	TRACE	TRACE	.0
MAY	100.0														775	.0	.0	.0
JUN	100.0														750	.0	.0	.0
JUL	100.0														806	.0	.0	.0
AUG	100.0														805	.0	.0	.0
SEP	100.0														780	.0	.0	.0
OCT	100.0														806	.0	.0	.0
NOV	98.7	1.2	.1											.1	780	TRACE	.1	.0
DEC	96.6	2.7		.2	.1	.1	.1							.6	802	.3	4.0	.0
ANNUAL	98.0	1.4	.1	.2	.1	.1	.0	.0	.0					.5	9307	4.1	4.1	0.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 61-86

24 HOUR AMOUNTS IN INCHES  
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61	2.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
62	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0
63	.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.3
64	2.9	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
65	4.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.0
66	TRACE	3.3	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.4	3.3
67	1.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.2
68	TRACE	1.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7
69	1.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2
70	TRACE	TRACE	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	2.0
71	TRACE	TRACE	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	2.4
72	.0	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	3.6	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8
74	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
76	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
77	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
78	TRACE	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
79	TRACE	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	TRACE	5.1	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
81	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
82	1.7	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	*TRACE	TRACE	7.1	TRACE	.0	.0	.0	.0	.0	.0	.0	*TRACE	7.1
84	*TRACE	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
85	1.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
86	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN	.90	1.23	.78	TRACE	.00	.00	.00	.00	.00	.00	.00	.33	2.33
S.D.	1.302	2.022	1.983	.000	.000	.000	.000	.000	.000	.000	.017	.773	2.275
TOTAL OBS	772	706	775	750	775	750	806	805	780	806	780	602	9307

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 61-86

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61	3.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
62	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0
63	.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.3
64	.7	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1
65	8.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.7
66	TRACE	3.3	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.6
67	2.3	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7
68	TRACE	1.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4
69	1.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0
70	TRACE	TRACE	3.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	17.7
71	.0	TRACE	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.0
72	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	17.7
73	7.0	7.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
74	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
75	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
76	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
77	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
78	TRACE	2.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
79	TRACE	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
80	TRACE	5.1	8.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
81	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
82	1.7	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	14.5
83	*TRACE	TRACE	7.1	TRACE	.0	.0	.0	.0	.0	.0	.0	*TRACE	1.0
84	*TRACE	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE	7.1
85	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
86	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
MEAN	1.60	1.28	.88	TRACE	.00	.00	.00	.00	.00	.00	.00	.33	4.11
S.D.	2.646	2.048	2.222	.000	.000	.000	.000	.000	.000	.000	.017	.773	4.997
TOTAL OBS	772	706	775	750	775	750	816	805	780	806	780	802	9307

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION 746930 SIMMONS AAF/FT BRAGG NC 61-86 YEARS

PRECIP	NONE	TRACE	01	.02	.05	.10	.25	.50	1.00	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
										TRACE	NONE	1	2	3	4.6	7.12	12.24	25.36	37.48	49.60	61.120	OVER 120			OVER 50.4	25.5-59.4	10.01-20.00	OVER 20.00	MEAN	GREATEST	LEAST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-59.4	61.120	OVER 120	OVER 50.4	25.5-59.4	10.01-20.00	OVER 20.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 61-86

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61	3	0	0	0	0	0	0	0	0	0	0	0	3
62	0	3	0	0	0	0	0	0	0	0	0	0	3
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	4	0	0	0	0	0	0	0	0	0	0	0	4
66	7	3	0	0	0	0	0	0	0	0	0	0	7
67	0	2	0	0	0	0	0	0	0	0	0	1	2
68	1	2	0	0	0	0	0	0	0	0	0	TRACE	2
69	1	2	0	0	0	0	0	0	0	0	0	0	2
70	1	0	0	0	0	0	0	0	0	0	0	0	2
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	*0	1	0	0	0	0	0	0	0	0	0	*2	*2
73	7	8	0	0	0	0	0	0	0	0	0	*0	1
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	1	0	0	0	0	0	0	0	0	0	0
80	TRACE	3	7	0	0	0	0	0	0	0	0	0	2
81	1	0	0	0	0	0	0	0	0	0	0	0	5
82	2	0	0	0	0	0	0	0	0	0	0	0	7
83	*0	TRACE	7	0	0	0	0	0	0	0	0	0	1
84	*0	0	0	0	0	0	0	0	0	0	0	*0	2
85	1	0	0	0	0	0	0	0	0	0	0	0	7
86	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1.2	1.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.5
S.D.	2.159	1.985	1.952	.000	.000	.000	.000	.000	.000	.000	.000	.767	2.611
TOTAL OBS	772	706	775	750	775	750	806	805	780	806	780	802	9307

NOTE \* (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

# PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular M), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and also by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include incomplete months.

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930		STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86			
												MONTH: JAN HOURS(IST): ALL			
DIRECTION (DEGREES)		WIND SPEED IN KNOTS													
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND	
N		3.4	5.5	3.6	.7	.0	.0						13.3	5.6	
NNE		1.3	2.4	1.9	.3								6.0	5.9	
NE		.9	1.5	1.2	.4								4.0	6.3	
ENE		.8	1.1	.4	.1								2.4	5.0	
E		.7	.8	.1									1.7	3.9	
ESE		.3	.2	.0									.5	3.3	
SE		.4	.2	.1									.7	3.5	
SSE		.4	.4	.3	.1	.0							1.2	5.6	
S		.9	.8	.7	.4	.0							2.9	6.1	
SSW		.9	1.4	.9	.2	.0							3.4	5.7	
SW		1.1	1.6	1.7	.5	.1	.0	.0					5.0	6.5	
WSW		1.3	1.8	1.6	.9	.2	.1	.0					5.9	7.4	
W		1.1	1.9	2.0	1.1	.2	.0						6.4	7.4	
WNW		.4	1.3	1.9	1.1	.2	.1						5.0	8.8	
NW		.6	1.8	2.0	1.4	.1	.0						6.0	8.2	
NNW		1.1	2.4	2.1	1.3	.1	.0						7.1	7.4	
VARIABLE															
CALM		////////////////////												28.8	////
TOTALS		15.6	25.2	20.5	8.5	1.0	.3	.0					100.0	4.7	

TOTAL NUMBER OF OBSERVATIONS: 7778

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: FEB      HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.9	5.3	2.7	1.0	.1						13.0	5.6
NNE	1.4	2.4	1.6	.5	.0	.0					6.0	6.2
NE	1.1	1.6	1.1	.3	.0	.0					4.2	6.0
ENE	.8	1.3	.7	.1	.0	.0					3.1	5.6
E	.8	.9	.4	.1							2.2	4.9
ESE	.7	.5	.2	.0							1.5	4.1
SE	.5	.4	.2	.2							1.3	5.2
SSE	.6	.8	.3	.0							1.9	4.8
S	1.2	1.6	1.2	.4							4.4	5.7
SSW	1.0	1.8	1.7	.6	.0						5.2	6.5
SW	.8	1.2	.9	.5	.1						3.5	6.7
WSW	.7	1.4	1.3	.7	.0						4.2	7.2
W	.6	1.2	1.2	.7	.1						3.9	7.4
WNW	.5	1.3	1.4	1.0	.3						4.5	8.5
NW	.7	1.5	1.8	.9	.1						5.0	7.7
NNW	1.1	2.2	2.8	1.0	.1						7.2	7.3

VARIABLE

CALP      ////////////////////////////////////// 29.0      //

TOTALS      16.4      25.8      19.9      8.0      .9      .1      100.0      4.6

TOTAL NUMBER OF OBSERVATIONS: 6745

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS: 1200 ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.3	4.4	3.6	1.1	.1						12.4	5.9
NNE	.9	1.4	1.6	.3	.1						4.3	6.4
NE	.7	1.8	1.3	.4	.0						4.2	6.4
ENE	.7	1.5	1.2	.4	.1						3.9	6.7
E	.8	1.4	.6	.1							2.9	5.0
ESE	.5	1.0	.3	.0							1.8	4.8
SE	.6	.7	.4	.1							1.9	5.3
SSE	.9	1.2	.8	.2							3.0	5.5
S	1.4	2.5	1.8	.4	.0						6.1	5.8
SSW	1.5	2.4	2.0	.7	.1	.0					6.7	6.4
SW	.9	2.1	1.9	.7	.1	.0					5.7	7.0
WSW	.8	1.3	1.5	.9	.1	.0					4.5	7.7
W	.9	1.5	1.5	.8	.1	.0					4.8	7.3
WNW	.5	1.1	1.2	.7	.2	.0					3.6	8.2
NW	.4	1.6	1.8	1.1	.2	.0	.0				5.1	8.4
NNW	.6	2.1	2.4	1.1	.1						6.3	7.7
VARIABLE			.0								.0	7.0
CALM											22.8	////
TOTALS	15.4	27.9	23.8	8.9	1.1	.1	.0				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	2.2	2.6	1.7	.7	.0							7.2	5.7
NNE	.8	1.4	1.0	.2								3.4	5.7
NE	.6	1.3	.9	.2								3.1	6.1
NNE	.7	1.0	.7	.1								2.4	5.4
E	.8	1.2	.6	.1								2.7	5.1
ESE	.5	.9	.5	.1								2.0	5.4
SE	.8	1.0	.5	.2								2.4	5.1
SSE	.9	1.7	.8	.2								3.6	5.5
S	1.8	2.7	2.1	.4								7.1	5.8
SSW	1.7	3.0	2.7	.8	.1							8.3	6.5
SW	1.4	2.1	2.0	.7	.1	.0						6.4	6.6
WSW	1.1	1.9	1.7	.8	.1	.0						5.7	7.1
W	.6	1.8	2.1	1.4	.3	.0						6.5	8.3
WNW	.5	1.3	1.6	1.1	.2	.0	.0					4.8	8.4
NW	.5	1.1	2.0	1.1	.1	.0						4.8	8.6
NNW	.7	1.5	1.9	.8	.1	.0						5.1	7.4
VARIABLE													
CALM												24.5	////
TOTALS	15.9	26.7	22.9	8.8	1.0	.2	.0					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): ALL

DIRECTION (UFGREFS)	PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.5	3.6	2.6	.4	.0	.0	.0	.0	.0	.0	9.1	5.5
NNE	1.2	1.6	1.6	.2	.0	.0	.0	.0	.0	.0	4.5	5.8
NE	1.0	1.5	.9	.1	.0	.0	.0	.0	.0	.0	3.4	5.2
NNE	.9	1.5	.5	.1	.0	.0	.0	.0	.0	.0	3.0	5.0
E	1.2	1.6	.3	.0	.0	.0	.0	.0	.0	.0	3.2	4.2
ESE	.8	.9	.3	.0	.0	.0	.0	.0	.0	.0	2.1	4.2
SE	.6	1.1	.3	.0	.0	.0	.0	.0	.0	.0	2.1	4.7
SSE	1.3	1.6	.8	.1	.0	.0	.0	.0	.0	.0	3.8	4.9
S	2.0	3.2	2.4	.2	.0	.0	.0	.0	.0	.0	7.8	5.4
SSW	2.0	3.6	2.8	.6	.0	.0	.0	.0	.0	.0	9.1	6.0
SW	1.8	2.6	2.0	.5	.0	.0	.0	.0	.0	.0	6.9	5.8
WSW	1.2	2.0	1.6	.5	.0	.0	.0	.0	.0	.0	5.4	6.2
W	1.0	1.9	1.2	.4	.0	.0	.0	.0	.0	.0	4.5	6.1
WNW	.6	1.2	.9	.2	.1	.0	.0	.0	.0	.0	3.0	6.4
WW	.4	1.2	.8	.1	.0	.0	.0	.0	.0	.0	2.6	6.1
WNW	.7	1.8	1.2	.3	.0	.0	.0	.0	.0	.0	4.0	6.3

VARIABLE

UFGREFS 19.2 30.9 20.3 3.9 .2 .0 25.6

TOTALS 19.2 30.9 20.3 3.9 .2 .0 100.0 4.2

TOTAL NUMBER OF OBSERVATIONS: 7434

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/TAC      FROM HOURLY OBSERVATION.  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: JUN      HOURS(LST): ALL

DIRECTION (OCCURENCE)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	3.2	1.4	.3							7.8	4.8
NNE	1.0	2.0	1.3	.0							4.3	5.3
NE	1.0	2.1	1.3	.2	.0						4.6	5.7
NNE	1.2	1.8	1.2	.2							4.4	5.4
E	1.7	1.5	.6	.1							3.9	4.4
ESE	1.2	1.0	.3	.0							2.5	4.1
SE	1.1	.9	.4								2.5	4.3
SSE	1.5	1.3	.6	.0							3.4	4.4
S	2.4	2.8	.9	.1	.0						6.3	4.4
SSW	2.6	3.7	1.9	.1	.0						8.3	4.9
SW	2.2	3.5	2.0	.1							7.8	5.2
WSW	2.0	2.6	2.2	.2				.0			7.0	5.6
W	1.0	1.6	1.3	.3	.0						4.4	5.8
WNW	.4	.8	.7	.2							2.1	6.4
W	.4	1.0	.8	.2	.0						2.4	6.5
NNW	.9	1.0	1.2	.2	.0						3.3	6.1
VARIABLE												
CALM												24.8
TOTALS	23.4	31.2	16.1	2.4	.1	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 7200



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	2.4	.8	.1	.0						6.1	4.3
NNE	1.6	1.6	.8	.1	.0						4.1	4.7
NE	1.2	1.7	.5	.1							3.4	4.6
ENE	1.1	1.6	.8	.0							3.5	4.8
E	1.4	1.7	.6	.0							3.7	4.5
ESE	1.0	.7	.1	.0	.0						1.8	3.7
SE	1.0	1.0	.2	.1	.0						2.2	4.2
SSE	1.3	1.2	.2								2.6	3.8
S	3.0	3.3	1.1	.1	.0						7.5	4.3
SSW	3.4	3.9	1.9	.2	.0						9.3	4.7
SW	2.8	3.1	1.5	.1	.0						7.6	4.7
WSW	2.2	.1	1.5	.1							7.0	4.9
W	1.7	2.1	1.2	.2							5.2	5.1
WNW	.7	1.1	.6	.1	.0		.0				2.6	5.7
NW	.4	.9	.6	.1	.0						2.1	6.0
NNW	1.0	1.3	.4	.0							2.7	4.6

VARIABLE

CALM	28.4	100.0	3.3
TOTALS	26.4	30.6	13.0

TOTAL NUMBER OF OBSERVATIONS: 1440

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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	5.4	5.6	2.9	1.0		.0					14.8	5.1
NNE	3.0	4.4	2.4	.6							10.3	5.3
NE	2.0	2.8	1.9	.2	.0						6.9	5.3
ENE	1.5	1.8	1.3	.2							4.8	5.3
E	1.3	1.5	.6	.0	.0						3.5	4.5
ESE	.6	.6	.1	.1							1.3	4.6
SE	.7	.4	.1	.0							1.2	3.8
SSE	.7	.4	.2	.1							1.4	4.4
S	1.2	1.2	.5	.1	.0						3.1	4.6
SSW	1.9	2.3	.9	.1							5.3	4.6
SW	1.8	2.3	.7	.1							4.9	4.3
WSW	1.4	1.6	.7	.2							3.9	4.8
W	.8	1.0	.6	.1							2.5	5.0
WNW	.3	.6	.1	.1							1.1	5.1
NW	.6	.7	.3	.2	.0						1.7	5.5
NNW	.9	1.2	.6	.2							2.9	5.3

VARIABLE											
CALM											30.4
TOTALS	24.1	28.5	13.9	3.0	.1	.0					100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 746930 STATION NAME: SIMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(1ST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	5.8	5.7	3.4	1.0	.1	.0						15.9	5.2
NNE	2.1	3.6	3.0	.6								9.4	5.9
NE	1.2	2.3	1.5	.3								5.4	5.8
ENE	.8	1.4	.6	.1								2.8	5.1
E	.8	.8	.2	.0								1.9	4.3
ESE	.4	.3	.0									.7	3.4
SE	.6	.4	.1	.0								1.1	3.6
SSE	.8	.7	.2									1.7	3.8
S	1.5	1.3	.5	.0								3.3	4.1
SSW	1.5	1.7	1.1	.2								4.5	5.2
SW	1.1	1.1	.6	.2								3.1	5.1
WSW	1.0	1.2	.7	.3								3.1	5.3
W	.7	1.0	.6	.2	.0							2.5	5.7
WNW	.3	.6	.6	.2	.0							1.7	6.9
NW	.5	.9	1.0	.3	.0							2.7	6.9
NNW	1.5	1.7	1.5	.3								5.0	5.6

VARIABLE

CALM

TOTALS

20.7 24.8 15.5 3.7 .1 .0 35.1 100.0 3.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(1ST): ALL

DIRECTION (DUGREFS)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.9	5.5	3.0	.8	.0						14.2	5.1
NNE	2.1	3.5	1.9	.3							7.7	5.3
NE	1.0	2.0	.9	.2							4.1	5.3
ENE	.8	1.1	.8	.1							2.8	5.4
E	.7	.7	.4	.0							1.9	4.8
ESE	.4	.3	.1	.0							.8	3.9
SE	.5	.4	.3	.0							1.3	4.7
SESE	.7	.7	.3	.0							1.8	4.5
S	1.4	1.7	1.2	.3							4.7	5.5
SSW	1.1	1.3	1.2	.2							3.8	5.7
SW	.7	1.0	1.0	.2	.0						3.0	6.2
WSW	.6	1.2	1.0	.3	.0						3.2	6.6
W	.7	1.2	1.3	.5	.0						3.8	6.8
WNW	.4	1.1	1.1	.7	.1	.0					3.4	7.7
NW	.8	1.1	1.1	.5	.0	.0					3.6	6.8
NNW	1.3	1.7	1.2	.7	.1						5.0	6.3

VARIABLE												
CALM	////////////////////										34.8	////
TOTALS	18.4	24.6	16.9	5.0	.3	.0					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.7	5.4	3.0	.9							13.5	5.3
NNE	1.6	2.5	1.7	.5							6.2	5.7
NE	.8	1.4	.7	.1	.0						3.2	5.3
ENE	.6	.7	.4	.1							1.8	5.0
E	.6	.6	.2	.1							1.5	4.8
ESE	.3	.1	.1	.0							.5	3.8
SE	.4	.3	.0								.8	3.6
SSE	.7	.4	.1	.0							1.3	4.0
S	1.3	1.8	1.1	.3	.0						4.5	5.5
SSW	1.6	2.2	1.9	.5	.0						6.3	6.0
SW	1.5	1.7	1.6	.3							5.1	5.6
WSW	1.0	1.4	1.0	.4	.0						3.8	5.9
W	.9	1.4	1.0	.4	.1	.0	.0				3.7	6.3
WNW	.5	1.2	1.5	.6	.1	.0					3.9	7.5
NW	.6	1.7	1.3	.6	.1	.0					4.2	7.2
NNW	1.2	2.0	1.5	.7	.1						5.4	6.5

VARIABLE

CALM 17.8 25.0 17.3 5.3 .1 .0 34.2

TOTALS 17.8 25.0 17.3 5.3 .1 .0 100.0 3.8

TOTAL NUMBER OF OBSERVATIONS: 7345

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74693D    STATION NAME: SIMMONS AAF/FT BRAGG NC													PERIOD OF RECORD: 77-86			
													MONTH: ALL    HOURS(LST): ALL			
DIRECTION (DEGREES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND		
N		3.7	4.4	2.5	.7	.0	.0						11.3	5.3		
NNE		1.6	2.4	1.7	.3	.0	.0						6.0	5.6		
NE		1.1	1.8	1.1	.2	.0	.0						4.2	5.6		
ENE		.9	1.4	.8	.1	.0	.0						3.2	5.3		
E		1.0	1.2	.4	.1	.0							2.7	4.5		
ESE		.6	.6	.2	.0	.0							1.5	4.3		
E		.7	.6	.2	.1	.0							1.6	4.4		
ESE		.9	1.0	.4	.1	.0							2.4	4.7		
S		1.7	2.1	1.2	.2	.0							5.3	5.1		
SSW		1.9	2.6	1.7	.4	.0	.0						6.6	5.5		
SW		1.6	2.1	1.5	.3	.0	.0	.0					5.6	5.6		
WSW		1.3	1.9	1.3	.4	.0	.0	.0	.0				5.0	6.1		
W		.9	1.5	1.2	.5	.1	.0	.0	.0				4.3	6.5		
WNW		.5	1.0	1.0	.5	.1	.0	.0	.0				3.1	7.5		
NW		.5	1.2	1.1	.6	.1	.0	.0	.0				3.5	7.3		
NNW		1.0	1.6	1.4	.6	.0	.0						4.7	6.6		
VARIABLE		.0												.0	7.0	
CALM		.0												29.3	4.0	
TOTALS		19.9	27.5	17.8	5.0	.4	.1	.6	.0	.0	.0	.0	100.0	4.0		

TOTAL NUMBER OF OBSERVATIONS: 87467

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: ALL      HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	4.7	8.1	4.9	1.4	.1	.0						19.3	5.9
NNE	2.8	5.0	3.5	.8	.1	.0						12.2	6.0
NE	1.7	3.2	1.8	.6	.1	.0						7.3	6.0
ENE	1.0	1.7	1.0	.4	.1	.0						4.1	6.2
E	1.1	1.4	.6	.1								3.1	4.9
ESE	.6	.7	.2	.1								1.6	4.5
SE	.7	.7	.3	.1	.0							1.8	5.0
ESE	1.0	1.0	.6	.2								2.8	5.1
S	1.4	1.9	1.1	.3	.0							4.7	5.5
SSW	1.4	2.0	1.2	.1	.0							4.8	5.2
SW	1.0	1.5	.9	.1	.0	.0						3.6	5.4
WSW	.9	1.5	.8	.2	.0	.0	.0					3.5	5.6
W	.7	1.4	.9	.2	.1							3.3	6.0
WNW	.4	.7	.6	.1	.0	.0	.0					1.9	6.5
NW	.5	.8	.7	.2	.0							2.2	6.3
NNW	1.1	1.5	1.0	.3	.0	.0						3.9	5.9

VARIABLE

CALM	21.0	33.1	20.0	5.2	.6	.1	.0					100.0	4.6
TOTALS	21.0	33.1	20.0	5.2	.6	.1	.0					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 9069



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 62-86

DAILY PEAK GUSTS IN KNOTS

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
62	NW 39	NW 50	WSW 48	W 52	SSW 45	SSW 39	SSW 40	WSW 46	ENE 32	N 32	W 34	NE 28	W 52
63	NW 33	NW 33	WSW 45	WSW 42	NE 34	ENE 33	SSW 40	W 46	NNE 35	WSW 36	N 46	WSW 36	W 52
64	W 45	SW 65	NW 52	W 47	NW 47	NW 45	NW 44	S 40	NW 42	W 52	SW 40	WSW 41	SW 65
65	NW 46	SW 66	WSW 44	SW 52	ENE 40	NNE 40	NW 42	W 40	W 68	SW 39	SW 51	WSW 44	W 66
66	W 50	SW 40	WSW 56	NW 46	SW 46	W 58	NW 34	NW 40	N 28	SW 32	N 26	W 38	W 58
67	N 30	NW 32	NW 32	NW 29	NW 26	NW 26	23/32	5/24	5/21	27/32	6/36	21/39	21/39
68	28/36	30/37	32/35	15/31	32/27	29/49	36/38	27/21	15/20	3/22	7/46	25/31	29/49
69	34/28	35/30	32/30	25/50	34/23	21/28	29/47	27/30	31/40	36/22	20/30	12/42	25/50
70	27/38	23/36	26/40	34/31	25/27	4/37	24/33	12/23	35/30	34/22	29/27	36/28	26/40
71	34/25	31/44	27/38	35/64	28/30	27/37	30/40	26/24	22/30	34/26	21/28	32/34	35/64
72	34/26	2/45	26/41	31/32	30/40	24/20	15/50	29/24	30/25	26/29	22/36	25/32	15/50
73	20/25	24/42	22/32	23/26	26/26	8/25	20/29	16/22	26/28	25/18	34/29	26/28	24/42
74	22/31	3/24	28/35	30/35	21/40	34/43	14/24	8/22	19/30	36/26	24/26	27/40	34/43
75	30/28	30/33	31/41	27/41	32/29	29/40	21/34	33/26	34/23	25/30	31/29	32/34	31/41
76	33/44	29/40	30/37	25/39	33/25	32/34	36/47	23/28	2/20	31/29	7/40	34/32	36/47
77	23/61	31/32	27/30	25/39	17/38	32/49	1/35	34/23	5/40	34/34	34/21	31/35	23/61
78	24/37	29/30	24/41	27/40	30/46	5/27	30/29	17/39	13/37	29/29	33/24	34/29	30/46
79	22/26	29/36	35/40	26/33	25/25	31/32	28/36	35/40	19/39	31/21	29/24	35/28	35/40
80	34/21	27/37	33/36	21/30	24/26	5/40	25/24	5/31	1/26	28/30	23/35	32/28	5/40
81	29/33	35/25	35/35	33/44	28/39	24/63	32/38	29/33	2/27	36/38	33/36	3/38	24/63
82	35/37	2/40	6/37	30/31	22/35	5/26	36/40	32/61	6/34	20/34	31/34	27/46	32/61
83	33/29	5/47	22/53	33/45	27/39	5/32	25/36	22/31	36/36	26/20	22/32	29/40	22/53
84	31/44	22/40	27/35	28/42	2/28	36/31	11/36	34/45	32/24	23/60	25/25	31/31	23/60
85	29/33	29/33	27/31	26/35	25/25	31/55	22/42	28/30	34/25	3/23	36/25	3/27	31/55
MEAN	34.8	39.3	39.1	39.7	33.7	37.8	37.0	32.3	31.5	30.7	31.8	35.0	51.6
S.D.	9.912	10.533	7.523	9.338	8.260	11.755	6.839	10.106	10.622	9.779	7.645	5.687	10.167
TOTAL OBS	704	653	715	709	712	699	730	735	709	738	717	734	8555

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
% (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86														
MONTH: JAN    HOURS(1ST): 0000-0200														
WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND	
N	3.1	5.2	3.6	1.3	.1							13.0	5.9	
NNE	1.4	1.4	1.1	.1								4.0	5.5	
NE	.9	1.2	.7	.3								3.1	6.2	
ENE	.3	1.1	.2	.2								1.9	5.6	
E	.3	.3										.7	3.2	
ESE	.1	.2										.3	4.0	
SE	.2											.2	1.5	
SSE	.2	.1										.3	3.0	
S	.4	.3	.3	.2	.1							1.4	7.0	
SSW	1.0	1.1	.5		.2							2.8	5.9	
SW	1.5	1.1	1.4	.4	.1							4.6	6.0	
WSW	1.2	1.6	1.2	.7	.1							4.8	6.5	
W	.9	2.3	1.5	.3								5.0	6.1	
WNW	.3	1.7	1.2	.9	.1							4.2	7.5	
NW		2.2	1.7	.5								4.5	7.5	
NNW	1.7	3.3	1.7	1.1								7.8	6.1	
VARIABLE														
CALM	////////////////////////////////////												41.4	////
TOTALS	13.6	23.2	15.3	5.8	.8							100.0	3.6	

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFCTAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS (LST): 0300-0500

DIPECTION (DEGREES)	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	3.7	6.3	3.5	.9								14.4	5.5
NNE	1.3	3.1	.9	.3								5.6	5.2
NE	.4	1.2	.4	.4								2.5	6.5
ENE	.7	.9	.3									1.9	4.5
E	.7	.2										.9	3.4
ESE													
SE	.2	.5	.1									.9	4.9
SSE	.4	.2	.1									.8	3.9
S	.8	.1	.3									1.2	4.0
SSW	.7	.7	.2	.5								2.1	6.3
SW	1.4	1.5	1.2	.2	.2	.1						4.7	6.4
WSW	1.7	2.0	.8	.3	.1							4.9	5.4
W	1.5	2.2	2.1	1.0								6.8	6.4
WNW	.2	1.1	1.5	.1								2.9	6.8
NW	.9	2.9	1.1	.5	.3							5.8	6.6
NNW	1.5	2.4	1.5	.3								5.8	5.6

VARIABLE

CALP	16.1	25.3	14.1	4.7	.7	.1						39.1	100.0
TOTALS													3.5

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: JAN      HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	5.1	6.1	3.9	.9							15.9	5.3
NNE	1.0	2.8	1.5	.1							5.4	5.6
NE	.5	1.7	1.4	.1							3.8	6.1
NNE	.2	1.0	.1	.1							1.4	6.0
E	.4	.2									.7	2.7
ESE	.1	.2									.3	4.0
SE	.1	.2	.1								.4	5.5
SSE	.3	.3	.2								.9	4.4
S	1.5	.3	.3	.2							2.4	4.3
SSW	.8	.4	.8								2.0	5.1
SW	1.2	1.1	.8		.1						3.1	5.1
WSW	1.0	2.5	1.6	.3	.1	.1					5.6	6.7
W	1.0	2.5	2.4	.1							6.0	6.0
WNW	.5	1.1	1.3	.2	.2						3.4	7.4
NW	.8	2.4	1.4	.4							5.0	6.2
NNW	1.4	2.3	1.5	.3							5.5	5.6

VARIABLE											38.2	////
CALM											100.0	3.5
TOTALS	15.9	25.2	17.4	2.8	.3	.1	.1					

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	6.4	4.7	1.1	.1	.1					15.0	6.5
NNE	1.3	5.7	3.0	.8							8.8	6.5
NE	.8	2.6	3.0	.5							6.9	6.9
NNE	1.5	1.6	.9	.1							4.1	5.0
E	.8	1.1	.3								2.2	4.6
ESE	.1										.1	1.0
SE	.5	.3	.2								1.1	3.8
SSE	.4	.9	.5	.1							1.9	5.6
S	1.1	1.4	.8	.4							3.7	5.5
SSW	.9	2.2	.6								3.7	4.8
SW	.6	1.4	2.4	.4	.1						5.0	7.1
WSW	1.4	1.6	2.9	1.2	.2	.2					7.6	7.7
W	.9	1.4	2.3	1.3	.1						6.0	8.2
WNW		1.4	2.7	1.4	.2	.2					6.0	9.9
NW	.4	1.4	3.0	1.5	.1						6.5	8.4
NNW	.5	1.8	2.8	1.6	.3						7.1	8.8

VARIABLE

CALM	14.0	29.2	30.2	10.5	1.2	.5					14.4	100.0
TOTALS	14.0	29.2	30.2	10.5	1.2	.5					14.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 9.4

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM MONTHLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS (LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	2.6	5.0	4.9	1.5	.1							14.0	6.5
NNE	1.7	3.7	2.9	.6								9.0	6.1
NE	1.7	.8	1.5	.5								4.0	6.5
ENE	1.1	1.3	.5	.2								3.1	5.3
E	.9	2.2	.8									3.8	4.7
ESE	.4	.4	.2									1.1	4.7
SE	.4		.1								.5	.5	3.6
SSE	.8	.8	.3	.1								1.9	4.9
S	1.1	1.9	2.4	.6								6.1	6.6
SSW	.3	1.4	2.3	.8								4.8	7.7
SW	.5	1.3	3.6	1.2			.1					6.7	8.5
WSW	1.1	1.8	1.9	1.8	.2	.1						7.0	8.6
W	1.0	1.0	2.5	2.3	.6	.1						7.5	9.8
WNW	.9	1.2	3.5	2.4	.4							8.3	9.6
WW	.9	.8	2.7	3.6	.1							8.0	9.9
NNW	.6	2.2	2.7	2.1	.1							7.7	8.5
VARIABLE													
CALM												6.5	////
TOTALS	15.5	25.6	32.7	17.7	1.6	.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	2.9	5.7	4.3	.5								13.5	5.7
NNE	1.4	1.2	2.9	.3								5.8	6.5
NE	.9	1.2	1.6	.3								4.0	6.5
ENE	1.1	1.1	.4	.1								2.7	4.5
E	1.1	1.3	.1									2.5	3.4
ESE	.6	.5										1.2	3.3
SE	.9	.2										1.1	2.4
SSE	.6	.5	.4									1.6	4.9
S	1.3	1.4	1.0	.8								4.4	6.3
SSW	1.5	2.9	1.5	.1	.1							6.2	5.4
SW	1.3	3.1	2.6	.9								7.9	6.6
WSW	.6	1.8	2.1	.8	.4	.3						6.1	8.9
W	1.2	2.2	3.4	2.8	.3	.1						10.0	9.9
WNW	.3	1.5	3.2	2.4	.6							8.1	9.8
NW	.6	1.6	1.7	2.6	.2	.1						6.9	9.6
NNW	.9	2.8	2.3	2.4	.2							8.5	8.5

VARIABLE

CALM  
 TOTALS

17.3 29.2 27.6 14.0 1.9 .5 9.4 100.0 6.5

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(1ST): 1900-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	3.7	4.9	1.4									10.0	4.2
NNE	1.4	2.1	1.4	.2								5.1	5.6
NE	1.5	1.7	.6	.3								4.2	5.0
ENE	.4	.8	.1									1.3	4.0
E	.5	.2										.8	2.7
ESE	.2											.7	1.5
SE	.3	.2										.5	3.2
SSE		.2	.4		.1							.8	8.9
S	1.0	.6	.3	.6								2.6	6.3
SSW	1.0	1.2	1.1									3.2	5.0
SW	1.7	1.8	.8	.2								4.5	4.5
WSW	1.4	1.4	1.2	1.3	.2							5.5	7.6
W	1.6	2.5	.5	.3	.2							5.2	5.4
WNW	.6	1.1	1.4	.4	.1							3.7	7.2
NW	.6	2.2	2.4	.5	.2	.1						6.1	7.7
NNW	1.1	2.1	1.0	1.7	.2							6.1	7.9

VARIABLE

CALM	17.2	22.9	12.7	5.7	1.1	.1						40.3	100.0
TOTALS													3.5

TOTAL NUMBER OF OBSERVATIONS: 424



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/TAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/PAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JAN HOURS(IST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	3.4	4.8	2.4	.1								10.6	4.9
NNE	.8	1.5	1.5	.1								3.9	6.1
NE		1.4	.4	.4								3.1	5.9
ENE	.9	1.4	.3	.2								2.8	5.2
E	1.1	.9										1.9	3.3
ESE	.5											.5	1.8
SE	.5											.5	2.0
SSE	.1	.2	.1	.5								1.0	9.3
S	.4	.5	.3	.1	.2							1.6	7.5
SSW	1.0	1.1		.2								2.3	4.5
SW	.6	1.6	1.1	.4								3.8	6.3
WSW	1.7	1.5	1.0	1.2								5.4	6.6
W	1.1	1.4	1.4	.6								4.5	6.3
WNW	.3	1.2	.5	.8	.1	.2						3.1	8.8
NW	.5	1.3	1.9	1.2	.1							5.1	8.4
NNW	1.3	2.4	3.1	1.0		.2						8.0	7.5
VARIABLE													
CALM												41.7	////
TOTALS	15.2	21.2	14.2	6.9	.4	.4						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.2	6.0	2.1	.6							12.9	4.9
NNE	.6	1.9	.5	.2							3.2	5.4
NE	.7	1.1	1.1	.6	.2						3.7	8.0
ENE	.5	.4		.1	.1						1.1	6.1
E	.1	.4	.7								1.2	6.3
ESE	.9	.2	.1								1.3	3.0
SE	.7	.1	.1								.9	2.9
SSE	.5	.6	.2	.1							1.4	4.8
S	.8	1.4	.5	.5							3.2	5.7
SSW	.8	2.7	.6								4.2	4.9
SW	.5	.8	.9		.1						2.4	6.4
WSW	.6	.9	1.3	.1							3.0	6.6
W	.4	.8	.9	.4							2.5	7.2
WNW	.6	1.2	.4	.7	.1						3.0	7.5
NW	1.1	1.5	1.2	.5							4.3	6.3
NNW	1.8	2.5	2.6	.5							7.4	6.1

VARIABLE

CALM  
 TOTALS

14.7 22.7 13.3 4.3 .6 44.5 100.0 3.2

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	6.8	5.9	2.4	.2							15.3	4.3
NNE	1.4	2.1	1.2	.6	.1						5.6	6.6
NE	.5	.9	.4	.7							2.5	7.1
NNE	.5	.6	.7	.1	.1						2.0	6.5
E	.6	.2	.2								1.1	3.9
ESE	.4	.2									.6	2.8
SE	.5	.5	2								1.2	3.9
SSE	.5	.4	.2								1.1	4.7
S	.8	.5	.1	.5							1.9	5.9
SSW	1.2	1.2	.4								2.7	4.1
SW	1.2	.5	.5	.2							2.4	5.1
WSW	1.2	1.8	.9	.1							4.0	5.4
W	.6	.5	.8	.2							2.1	6.1
WNW	.7	1.4	1.1	.8	.1						4.2	7.4
NW	.6	1.8	1.5								3.9	5.8
NNW	1.9	1.9	2.7	.1	.2						6.8	6.2

VARIABLE											
CALM											42.7
TOTALS	19.1	20.4	13.4	3.7	.6	.1					100.0

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	5.7	6.3	3.0	.6							15.5	4.8
NNE	1.4	2.3	1.1	1.1	.1	.1					6.0	6.9
NE	1.2	2.0	1.4								4.6	5.2
ENE	.7	.7	.5		.1						2.0	5.4
E	.7	.6	.2								1.5	3.7
ESE	.5	.4									.8	3.4
SE	.6	.1		.4							1.1	5.8
SSE	.6	.4	.1	.1							1.2	4.6
S	.6	.8	.1	.1							1.7	4.7
SSW	.9	1.1	.8	.4							3.2	6.4
SW	1.2	1.3	.6								3.1	4.9
WSW	.8	1.9	.8	.5							4.0	6.2
W	.7	1.7	1.1	.4							3.8	6.1
WNW	.5	.8	1.3	.8	.1						3.6	8.0
NW	.4	2.4	1.5								4.3	6.1
NNW	1.4	2.6	1.3								5.3	5.1

VARIABLE

CALM

TOTALS

TOTAL NUMBER OF OBSERVATIONS: R43

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.6	7.0	4.6	1.8	.1						16.1	6.5
NNE	1.2	4.3	3.2	.8							9.5	6.8
NE	.6	2.3	2.3	.2							5.3	6.4
ENE	1.3	2.7	2.1	.2							6.4	5.9
E	.7	1.8	.5	.1							3.1	5.5
ESE	1.2	.9	.1	.1							2.4	4.1
SE	.4	.5		.1							.9	4.9
SSE	.6	1.2	.2								2.0	4.2
S	.9	2.0	1.3	.1							4.4	5.5
SSW	.7	1.4	2.0	1.1							5.2	7.7
SW	.8	1.5	.6	.8	.1						3.9	7.0
WSW	.4	2.4	2.6	.7							6.0	7.4
W	.6	.8	.6	.6	.2						3.1	7.6
WNW	.8	1.3	1.5	1.3	.2						5.2	8.5
NW	.6	1.1	2.1	1.3	.1						5.2	8.6
NNW	.1	.8	4.4	2.7	.2						8.3	9.9

VARIABLE

CALM	13.5	32.0	28.5	12.1	1.1						12.8	6.1
TOTALS	13.5	32.0	28.5	12.1	1.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.1	4.7	4.0	2.4	.4						12.6	7.0
NNE	1.1	2.6	2.5	.5							6.6	6.7
NE	1.3	2.0	1.5	.4							5.2	5.0
ENE	.8	2.0	1.1	.1							4.0	5.4
E	1.2	2.0	.8	.1							4.2	5.2
ESE	.7	1.2	.8								2.7	5.0
SE	.2	.8	.5	.4							1.9	6.7
SSE	.7	.9	.7								2.4	5.4
S	1.1	2.0	2.7	.9							6.8	7.2
SSW	.8	1.8	3.6	1.3	.1						7.6	8.1
SW	.5	1.5	2.1	1.3							5.5	8.0
WSW	.7	.9	1.8	1.9							5.3	8.9
W	1.2	1.7	2.7	.7							6.3	7.2
WNW	.6	1.7	2.8	2.1	.5						7.7	9.4
NW	.4	1.1	3.0	2.3							6.6	9.1
NNW	.5	2.4	3.7	1.5	.1						8.2	8.5

VARIABLE

CALM	12.8	29.4	34.4	15.9	1.1						6.4	7.0
TOTALS	12.8	29.4	34.4	15.9	1.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 843



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.7	2.8	1.3	.6	.1						8.5	5.0
NNE	2.5	1.9	.8	.2							5.5	4.6
NE	1.9	1.5	.7	.5							4.6	4.9
ENE	1.2	.9	.6	.2							3.0	4.9
E	.7	.2		.2							1.2	4.9
ESE	.4	.2	.1								.7	3.8
SE	.2	.5	.1	.1							.9	5.1
SSE	.6	1.3	.5								2.4	5.4
S	2.4	1.7	1.2	.2							5.5	4.7
SSW	2.1	2.3	1.9	.1							6.4	5.0
SW	1.3	.9	.1	.2	.1						2.7	4.9
WSW	.8	.9	.7	.4	.1						3.0	6.8
W	.5	2.0	1.2	.7	.2						4.6	7.4
NNW	.2	1.3	1.2	.6							3.3	7.6
NW	.9	1.7	1.1	.7							4.4	6.7
NNW	.9	3.3	2.3	.8							7.4	6.5

VARIABLE	////////////////////	35.9	////
CALM	////////////////////	100.0	3.6
TOTALS	20.4 23.6 13.8 5.7 .6		

TOTAL NUMBER OF OBSERVATIONS: 843



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: FEB      HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.4	4.5	2.1	.5							10.6	5.1
NNE	1.5	1.8	1.2	.4							4.9	5.6
NE	1.4	.7	.7	.1	.1						3.1	5.4
NNE	.5	1.1	.2	.1		.1					2.0	6.5
E	.8	.6	.2	.1							1.8	4.3
ESE	.6	.9	.1								1.7	4.1
SE	.7	.4									1.1	3.0
SSE	.7	1.4	.6	.1							2.8	5.3
S	2.1	1.5	1.1	.1							4.9	4.4
SSW	.8	1.4	1.3								3.6	5.5
SW	.5	1.3	.6								2.4	5.6
WSW	.7	1.1	.6	.6							3.0	6.8
W	.5	.8	.9	.5							2.7	6.7
WNW	.2	.7	.5	.4	.1						1.9	7.9
NW	.7	2.1	1.9	.4	.2						5.3	6.9
NNW	1.1	2.0	1.3	.2							4.6	5.9

VARIABLE

CALM	16.4	22.4	13.4	3.4	.5	.1					43.8	////
TOTAL	16.4	22.4	13.4	3.4	.5	.1					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: P43

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFLTAC      AIR WEATHER SERVICE/MAC  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: MAR      HOURS(LST): 0000-0200

DIRECTION (040-350)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.1	4.4	2.4	.6							11.5	5.0
NNE	1.7	1.0	1.0	.4							4.1	5.9
NE	.5	1.4	1.3	.3							3.5	6.6
NNE	.6	1.0	1.1	.1							2.8	6.2
E	1.1	1.4	.6								3.1	5.0
ESE	.3	.5	.1								1.0	4.2
SE	.6	.8	.2								1.6	4.4
SSE	.9	1.1	.3								2.3	4.7
S	2.3	2.8	1.4	.1							6.6	4.7
SSW	2.4	4.1	1.2	.1	.1						7.8	4.8
SW	.6	2.7	1.1								4.4	5.3
WSW	.6	1.8	.6	.1							3.2	5.4
W	.8	1.2	.8								2.7	5.0
WNW	.1	.6	.6	.4							1.8	7.8
NW	.2	1.3	1.9	.6	.1						4.2	7.7
NNW	1.0	2.5	1.7	.1							5.3	5.6

VARIABLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CALM	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.1	.....
TOTAL	17.8	28.5	16.3	3.0	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE      SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: MAR      HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	5.9	5.9	2.3	.5							14.6	4.5
NNE	1.0	1.1	.9	.2							3.1	5.6
NE	1.1	.8	1.5	.4							3.8	6.6
NNE	.6	1.2	1.0	.4							3.2	6.3
E	1.0	1.6	.3	.1							3.0	4.6
ESE	.1	.9	.2								1.2	5.6
SE	.5	.5	.1								1.2	4.3
SE	.5	.4	.8								1.7	5.8
S	1.1	1.2	.9	.2							3.3	5.4
SSW	1.7	1.9	1.4	.2							5.3	5.2
SW	1.2	.0	1.1								4.3	5.1
WSW	1.7	1.7	.5								3.5	4.3
W	1.0	1.9	1.0	.1							4.0	5.4
WNW	.1	.9	.6	.1							1.7	6.3
NW	.3	1.3	1.3	.6							3.5	7.4
NNW	.9	1.9	1.6	.5							4.9	6.3

VARIABLE

CALM      37.5      //

TOTALS      18.3      25.3      15.4      3.5      100.0      3.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	5.4	4.1	2.9	.3								12.7
NNE	1.6	1.6	2.2	.3								5.7
NNE	1.1	2.3	2.2	.3								5.8
ENE	.8	.8	1.0	.1	.1							2.7
E	1.1	1.0	.1									2.2
ESE	.6	.5	.4									1.6
SE	.9	.3	.4									1.6
SSE	.8	.3	.8	.1								1.9
S	1.2	2.0	.6	.1								4.0
SSW	1.1	1.0	1.5	.4	.1							4.1
SW	1.8	2.2	1.2	.2		.1						5.5
WSW	1.2	1.4	.9									3.4
W	1.2	1.2	.9	.1								3.3
WNW	.4	1.4	.9									2.7
NW	.4	2.0	2.2	.3	.1							5.1
NNW	.8	2.4	2.0	.4								5.6

VARIABLE

CALM 32.2  
 TOTALS 100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.4	3.3	6.7	2.8	.1						14.3	8.0
NNE	.3	3.0	3.2	.4							7.0	6.9
NE	.5	3.0	1.6	.5	.1						6.0	6.8
NNE	.9	2.9	2.4	.9	.2						7.2	7.1
E	.6	1.9	1.1	.1							3.8	5.7
ESE	.5	2.0	.4	.1							3.1	5.3
SE	.8	.5	.6								1.9	5.1
SSE	.9	.9	.2	.2							2.7	5.6
S	1.1	2.6	1.3	.8	.1						5.8	6.4
SSW	.8	.9	3.3	.8	.1	.1					5.9	8.0
SW	.8	1.6	2.3	1.5	.2						6.3	8.5
WSW	.6	1.8	3.1	1.2	.1	.1					7.0	8.5
W	.8	2.3	2.3	1.0	.2						6.5	7.8
WNW	1.0	1.3	1.0	1.0	.2						4.4	7.6
NW	.3	1.1	1.5	1.2	.1						4.2	8.6
NNW	.4	1.4	3.7	2.4	.1						8.0	9.1
VARIABLE												
CALM											5.9	////
TOTALS	11.6	30.5	35.4	14.7	1.6	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FF BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.7	3.3	5.9	1.4								12.4	7.2
NNE	.5	2.5	2.0	.2								5.3	6.5
NE	.2	3.0	1.4	.5	.1							5.3	6.8
NNE	.8	1.7	.9	.5								3.9	6.4
E	.5	2.5	1.4	.1								4.5	5.9
ESE	.8	1.4	.3									2.5	4.4
SE	.4	1.2	.3	.2								2.2	5.6
SSE	1.5	1.1	1.6	.2								4.4	5.9
S	.9	2.0	2.3	1.1	.1							6.3	7.5
SSW	.8	1.7	2.9	1.8	.1							7.3	8.4
SW	.5	1.6	3.3	1.8	.2	.1						7.6	9.1
WSW	.3	1.0	3.0	3.0	.1							7.4	9.9
W	.6	1.8	2.4	1.9	.2	.1						7.1	8.9
WNW	.6	1.7	2.8	1.5	.8	.1						7.5	9.6
NW	.4	1.2	2.6	1.8	.3							6.3	9.6
NNW	.2	1.2	3.9	1.6	.1							7.0	8.9
VARIABLE			.1									.1	7.0
CALM												2.9	7.7
TOTALS	10.9	28.9	37.1	17.8	2.0	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.4	4.5	4.3	1.6	.2							12.0	7.3
NNE	.8	.9	1.6	.3	.1							3.7	6.9
NE	.4	1.6	1.2	.4								3.7	6.6
ENE	.5	1.4	1.0	.4	.1							3.4	7.1
E	1.0	1.2	.6	.1								2.9	4.9
ESF	.4	1.1	.2									1.7	4.5
SE	.1	.6	.4	.1								1.3	7.0
SSE	.6	2.0	.5	.5								3.8	6.0
S	.9	3.2	2.9	.8								7.7	6.7
SSW	1.1	1.9	4.5	1.7	.2							9.5	8.1
SW	.5	2.4	3.5	1.4	.2							8.4	8.1
WSW	.9	1.4	2.4	1.9	.2							6.8	8.8
W	1.0	1.8	2.9	2.0	.3							8.1	8.4
WNW	1.1	1.4	1.7	1.5	.4	.1						6.7	9.2
NW	.3	1.8	2.4	1.9	.4	.2	.1					7.2	10.3
PNW	.5	2.5	2.9	1.8	.3							8.1	8.5

VARIABLE

CALP

TOTALS

11.5 29.8 33.4 17.1 2.6 .3 .1 5.2 100.0 7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/TAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: MAR      HOURS(1ST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.3	4.3	1.6	.9							10.1	5.1
NNE	.6	.8	1.0	.1	.3						2.6	7.0
NE	.8	1.6	.8	.3							3.4	5.8
NNE	.8	1.3	1.4	.4	.3						4.2	7.5
E	1.3	.6									1.9	2.9
ESE	.6	.4	.3	.1							1.5	5.1
SE	.6	.2	.9	.1							1.8	6.4
SSE	.5	1.1	1.2	.2							3.0	6.3
S	1.9	3.0	2.5	.2							7.6	5.6
SSW	2.0	2.8	.8	.2							5.8	4.6
SW	1.8	2.4	1.2	.5							5.9	5.5
WSW	.6	.4	.8	.6		.2					2.7	9.0
W	1.1	1.1	.9	1.0	.1						4.1	7.3
WNW	.3	.5	.9	.3							2.0	7.4
NW	.4	2.4	1.1	1.8	.2						6.1	8.2
NNW	.6	2.2	1.7	1.2	.3						6.0	7.9
VARIABLE												
CALM											30.9	////
TOTALS	17.7	25.1	16.8	8.1	1.3	.2					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMPONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.1	5.2	2.6	.3	.2						11.4	5.4
NNE	1.0	.8	1.2	.2							3.1	5.9
NE	.8	.8	.2	.2							1.9	5.1
ENE	.5	1.5	.9	.5							3.4	6.6
E	.2	1.3	.3	.1							1.9	5.9
ESE	.9	.9	.2								1.9	4.4
SE	1.2	1.5	.5	.4							3.7	5.4
SSE	1.3	2.5	.3								4.1	4.4
S	2.0	3.3	2.3	.1							7.7	5.2
SSW	2.0	4.6	.8	.2							7.6	4.8
SW	.2	1.8	1.3	.1							3.4	6.6
WSW	.8	.6	.6	.1	.1						2.3	5.7
W	.6	.9	.6	.3							2.5	6.2
WNW		.8	.9	.2							1.8	7.5
NW	.4	1.7	1.3	.4	.1						4.0	7.1
NNW	.2	.7	1.9	.8	.1						5.7	7.6

VARIABLE

CALM	15.3	30.8	15.9	4.1	.5						33.4	////
TOTALS											100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: APP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	2.8	2.8	1.1	.6								7.2	5.0
NNE	.6	1.4	.4									2.4	5.1
NE	.3	.9		.2								1.4	5.5
ENE	.4	1.1	.4									2.0	5.1
E	.2	.3	.3									.9	5.0
ESE	.3	.9	.1	.1								1.4	5.2
SE	.9	.8	.2									1.9	3.8
SSE	1.0	1.1	.4									2.6	4.6
S	3.4	2.0	1.0	.2								6.7	4.1
SSW	2.7	4.8	1.7	.4								9.6	5.0
SW	1.8	2.0	1.0	.1								4.9	5.0
WSW	1.9	1.9	.8	.4								5.0	5.2
W	1.3	1.9	.9	.3								4.4	5.4
WNW	.3	1.2	1.4	.1								3.1	6.7
WW	.7	1.3	1.2	.7								3.4	6.2
NNW	.8	1.4	1.2	.2								5.7	5.9
VARIABLE													
CALM												39.3	////
TOTALS	19.4	25.9	12.3	3.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: APR    HOURS(UT): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.3	3.3	1.2	.4							9.3	4.5
NNE	.8	1.7	.6								3.0	5.0
NE	.3	.9	.2								1.4	4.9
NNE	.4	.8	.4								1.7	5.5
E	.7	.4	.3								1.4	4.3
ESE	.1	.2									.3	3.3
SE	.2	.2	.2								.6	4.4
SSE	.2	.8	.8								1.8	5.8
S	1.8	1.1	.4								3.3	3.6
SSW	2.0	2.2	1.6	.4	.1						6.3	5.6
SW	2.3	2.6	1.3								6.2	4.5
WSW	2.2	1.4	.9	.1							4.7	4.5
W	.9	1.4	.9	.1							3.3	5.3
WNN	.2	1.0	.6	.1							1.9	6.1
W	.3	1.4	1.1								2.9	6.0
WNN	1.1	2.2	1.3	.1							4.8	5.3

VARIABLE

CALM	18.0	21.8	11.8	1.3	.1						47.0	////
TOTAL	18.0	21.8	11.8	1.3	.1						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: APR      HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	4.8	3.9	1.3	.9							10.9	4.7
NNE	1.2	1.4	1.7	.3							4.7	6.0
NE	.4	2.0	1.4	.2							4.1	6.3
NNE	.7	.4	.3								1.4	3.9
E	.1	.9	.3								1.3	5.4
ESE	.9	.2	.1								1.3	3.3
SE	1.3	.4	.2								2.0	3.4
SSE	1.0	.4	.7	.2							2.3	5.2
S	1.2	1.4	.9								3.6	4.8
SSW	1.3	2.4	1.8	.3							5.9	6.0
SW	2.6	4.6	1.1	.1							6.3	4.5
SSW	1.2	3.6	1.8	.3							6.9	5.6
W	1.3	2.3	1.7	.4	.2						6.0	6.5
WSW	.6	.8	1.1								2.4	5.6
WW	.2	1.6	2.4	.1	.1						4.4	7.5
NNW	1.3	1.8	.4	.3							4.3	5.3

VARIABLE						
CALM	////////////////////					32.0
TOTALS	20.2	26.3	17.8	3.3	.3	100.0
						3.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: APR    HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.5	3.0	3.3	1.3	.1						8.8	7.1
NNE	1.1	2.3	2.4	.2							6.1	6.1
NE	.6	2.3	2.6	.3							5.8	7.0
ENE	1.2	1.4	1.4	.1							4.2	5.5
E	1.4	2.0	1.1	.3							4.9	5.3
ESE	.6	1.1	1.1	.1							2.9	5.6
SE	.7	1.2	.3	.1							2.3	5.0
SSE	.9	1.8	.6								3.2	5.1
S	2.0	3.4	2.4	.6							8.4	5.9
SSW	.8	1.8	4.0	1.2	.1						7.9	8.0
SW	.4	1.7	2.9	.8	.1						5.9	7.8
WSW	.3	2.0	2.1	1.3	.4						6.2	8.8
W	.6	1.7	4.4	2.3	.2	.1					9.3	9.2
WNW	1.0	2.0	1.6	1.6	.2		.1				6.4	7.9
NW	.2	1.1	2.7	1.4	.2						5.7	9.1
NNW	.8	1.3	3.1	1.7	.3	.1					7.3	9.0

VARIABLE

CALM	13.9	30.2	36.1	13.1	1.8	.2	.1				4.6	7.0
TOTALS	13.9	30.2	36.1	13.1	1.8	.2	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.7	2.3	2.1	1.0	.1							6.2	7.7
NNE	.6	1.9	1.4	.6								4.3	6.4
NE	.6	1.7	1.2	.4								3.9	6.4
NNE	.7	1.4	.6	.2								2.9	5.6
E	.3	2.0	1.6	.1								4.4	5.9
ESE	.4	1.7	.9	.3								3.3	6.0
SE	.4	1.2	.6	.1								2.3	5.5
SSE	.7	2.2	.6	.4								3.9	5.6
S	1.0	3.0	3.3	1.2								8.6	7.0
SSW	.9	3.6	3.7	2.0	.3							10.4	8.1
SW	.4	1.7	3.0	2.3	.4							7.9	9.7
WSW	.7	1.7	2.8	2.1	.2							7.4	8.8
W	1.1	1.2	2.7	3.6	.8							9.3	9.9
WNW	.6	1.6	3.3	2.1	.2	.2						8.0	9.4
NW	.8	1.0	2.7	3.0	.3	.2						8.0	10.4
NNW	.6	.9	2.4	1.8	.1							5.8	9.1

VARIABLE

CALM	10.8	28.9	52.8	21.3	2.6	.4	3.2	////
TOTALS	10.8	28.9	52.8	21.3	2.6	.4	100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.7	2.2	2.0	.6								5.4	6.9
NNE	.9	1.0	.9	.3								3.1	6.1
NE	.9	1.2	1.2	.2								3.6	6.1
ENE	.7	1.1	1.4									3.2	5.8
E	1.1	2.1	.4									3.7	4.7
ESE	.4	1.2	.7	.2								2.6	6.0
SE	.9	.8	.6	.9								3.1	6.8
SSE	.7	2.0	1.6	.4								4.7	6.8
S	1.3	3.1	3.7	.8								8.9	6.6
SSW	.7	2.7	4.8	1.1	.2							9.4	7.9
SW	.4	2.0	4.3	1.7	.3	.1						8.9	8.9
WSW	.6	2.0	3.3	1.6	.1	.1						7.7	8.8
W	.3	2.1	3.6	3.2	.8	.1						10.1	10.0
WNW	.4	1.0	2.9	4.1	.8							9.2	10.7
NW	.7	1.2	2.8	2.7	.2	.1						7.7	9.5
NNW	.2	1.2	2.7	.8		.1						5.0	8.6

VARIABLE

CALM	10.9	27.0	36.6	18.6	2.4	.6						3.8	7.8
TOTALS												100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 1800-2000

STATION NAME: SIMMONS AAF/F1 BRAGG NC

MOVING SPEED IN KNOTS

Year	1-7	8-13	14-20	21-27	28-33	34-40	41-47	48-55	56	Total	MCAN WIND
1950	1.7	1.7	1.2	.3						4.9	5.1
1951	1.2	.6	.7							2.5	4.1
1952	1.1	1.7	.3	.1						2.6	4.3
1953	1.4	1.6	.2	.3						3.1	5.1
1954	1.6	.9	.2	.2						2.9	4.2
1955	.4	1.0	.2	.1						1.9	5.1
1956	1.0	2.0	.8	.1						3.9	5.2
1957	1.0	1.8	1.3	.4						4.6	6.4
1958	1.6	2.2	3.2	.3						7.3	6.4
1959	2.2	2.8	1.4	.2						7.7	5.0
1960	1.9	1.1	2.0	.2		.1				7.2	5.5
1961	1.0	1.2	.9	.6		.1				3.9	7.1
1962	.6	2.6	2.0	.9		.1				6.6	7.7
1963	.7	1.6	1.7	1.0						4.9	7.7
1964	.6	1.0	1.7	.9		.1				3.9	7.5
1965	.9	1.6	1.9	1.0						5.2	7.5

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[illegible]

1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: APR      HOURS(UT): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.4	1.3	.6							5.1	5.5
NNE	.2	.7	.3								1.2	5.2
NE	.6	.7	.4	.1							1.8	5.4
NNE		.3	.2								.6	6.4
E	.6	.9	.6	.1							2.1	5.5
ESE	.7	1.1	.7	.1							2.6	5.5
SE	1.1	1.3	.9	.1							3.4	5.3
SSE	1.9	3.4	.8								6.1	4.5
S	2.0	5.3	1.9	.4							9.7	5.4
SSW	2.8	3.1	2.8	.3							9.0	5.4
SW	1.6	1.6	.6	.1							3.8	4.6
WSW	.7	1.7	1.0	.1							3.4	5.6
W	.6	1.0	.9	.4	.3						3.2	7.6
WNW	.4	1.3	.6	.1	.1						2.6	6.2
W	.2	.4	1.7	.4	.1						2.6	8.2
WNW	.4	1.9	1.7	.3							4.3	6.9

VARIABLE

CALM      38.6      //

TOTALS      15.4      26.2      15.9      3.3      .6      100.0      3.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFLTAC  
 AIR WEATHER SERVICE/PAC

STATION NUMBER: 746930      STATION NAME: SIMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: MAY      HOURS: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.6	4.5	1.6	.1							6.8	4.8
NNE	.5	.5	.5								1.6	4.9
NF	.9	1.2	.3								2.4	3.8
NNE	.4	.3	.1								1.3	4.3
E	1.0	1.1	.3	.1							2.5	4.6
ESE	.8	.1	.2								1.1	3.3
SE	.2	1.1		.1							1.4	5.0
ESE	1.7	.6	.4								2.8	3.8
S	3.1	2.7	1.6	.1							7.5	4.4
SSW	2.5	5.1	1.5	.2							9.2	5.0
SW	2.5	2.7	1.0								6.1	4.4
WSW	1.4	1.1	.2	.1							2.8	4.0
W	.5	1.3	.4								2.3	5.0
WNW	.4	.6	.5	.1							1.7	5.8
W	.1	.9	.5								1.5	5.7
WNW	.3	.8	.8								1.8	5.9
VARIABLE												
CALM											47.2	////
TOTALS	18.9	22.9	10.1	.9							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/FAA FROM HOURLY OBSERVATIONS  
 AIR FATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.7	3.9	.8	.2							8.5	4.2
NNE	1.1	.9	1.0								2.8	4.8
NE	.9	1.3	.3								2.5	4.3
NNE	1.0	.9	.3								2.2	4.0
E	1.1	.5	.1								1.7	3.1
ESE	.4	.2									.6	3.2
SE	.9	.4	.1								1.4	3.5
SSE	1.5	.9									2.4	3.1
S	1.8	1.2	.8								4.4	4.3
SSW	2.3	4.5	.8	.1							7.6	4.5
SW	2.9	2.5	.4	.1							5.9	3.9
WSW	1.9	2.7	1.0								5.5	4.5
W	.9	1.4	.2								2	4.1
WNW	.4	1.2	.1								1.7	4.4
NW	.8	1.1	.1	.1							2.0	4.8
NNW	.8	1.8	.3								2.9	4.7
VARIABLE												
CALM											45.4	////
TOTALS	22.0	25.8	6.2	.5							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATEOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: MAY      HOURS(LST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	2.9	4.2	2.5	.3								9.9	5.0
NNE	1.7	1.5	2.3	.4								5.9	6.2
NE	1.1	1.4	.9	.2								3.5	5.3
ENE	1.2	1.7	.6									3.5	4.5
E	1.0	1.2										2.2	3.8
ESE	.8	.3	.1									1.2	3.5
SE	.8	.9										1.6	3.4
SSE	1.1	1.1	.2	.1								2.5	4.0
S	2.0	1.9	.6	.1								4.7	4.3
SSW	2.7	3.3	1.9	.3								8.3	5.0
SW	1.8	3.9	1.6	.2								7.5	5.2
WSW	1.9	3.0	1.6	.1								6.7	5.1
W	1.8	2.4	1.0	.1								5.3	4.9
WNW	.4	.5	.4									1.4	5.1
W	.3	1.2	.9									2.4	5.6
NNW	1.1	2.8	1.2	.1								5.2	5.5
VARIABLE													
CALM	22.6	31.3	15.8	2.0								28.3	3.6
TOTALS												100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

LOCAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 GRAF{TAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: MAY      HOURS(LEST): 0900-1100

DIRECTION (Degrees)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.6	3.9	4.5	.9	.1							10.8	6.9
NNE	1.6	2.8	3.3	.5								8.3	6.5
NE	.9	1.8	1.7	.5								4.9	6.6
NNE	.5	2.6	.9	.1								4.1	5.4
E	1.5	2.6	.9	.1								5.1	4.6
ESE	.6	1.4	.3	.1								2.5	4.7
SE	.4	1.4	.1									1.9	4.5
ESE	.9	1.2	.8	.3								3.1	5.7
S	1.2	2.4	2.7	.5								6.8	6.1
SSW	1.0	3.8	4.0	.5								9.2	6.7
SW	.8	3.3	3.1	.9								8.1	6.9
WSW	.5	3.1	3.7	.8								8.1	7.0
W	1.5	2.8	1.7	.4								6.5	5.8
WNW	1.2	2.2	.8	.4	.1							4.6	5.7
NW	.9	1.9	1.1	.2								4.1	5.6
NNW	.8	1.7	2.7	.9								6.0	7.2

VARIABLE

CALM	15.8	38.8	51.0	7.2	.2							6.0	5.9
TOTALS												100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(EST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	3.1	5.3	.9							11.2	6.8
NNE	1.3	2.3	2.9	.4							6.9	6.4
NE	.5	1.0	1.4								2.9	5.9
NNE	.6	1.9	1.1	.4							4.1	6.3
E	1.4	3.2	.6								5.3	4.4
ESE	.9	1.7	.3	.1							3.0	4.6
SE	.6	1.0	.3								1.9	4.6
SSE	.9	1.7	1.5	.1							4.2	5.8
S	1.5	3.2	3.1	.1							8.0	5.9
SSW	1.2	2.5	5.4	1.8							10.9	7.9
SW	.5	2.3	4.0	.6	.2						7.6	7.9
WSW	.6	2.0	3.8	1.3							7.7	7.9
W	.6	2.9	2.6	1.2							7.3	7.5
WNW	1.0	2.3	2.4	.3							5.9	6.4
NW	.3	1.9	1.2	.3							3.8	6.6
NNW	.6	2.6	1.6	1.0							5.8	7.1
VARIABLE												
CALM	////////////////////										3.5	////
TOTALS	14.6	35.6	37.4	8.6	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/TAC FROM HOURLY OBSERVATIONS

ATR "FATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (JPGREFS)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.6	5.7	4.3	.8							12.4	6.2
NNE	.9	1.7	1.9	.1							4.6	6.0
NE	1.1	2.2	1.2	.2							4.6	5.6
ENE	1.1	2.4	.6	.3							4.4	5.1
E	1.0	2.4	.5								3.9	4.7
ESE	1.0	1.1	.5								2.6	4.6
SE	.3	1.4	.8	.2							2.7	6.3
SSE	1.0	2.0	1.4	.2							4.6	5.8
S	1.4	3.1	3.3								7.8	6.0
SSW	1.9	3.9	4.5	1.3	.1						11.7	6.9
SW	1.3	2.4	3.5	2.0							9.2	7.5
WSW	.8	2.4	1.8	1.6							6.6	7.8
W	1.1	2.0	2.2	1.1							6.3	7.1
WNW	.5	1.5	2.5	.4	.2						5.2	7.9
NW	.3	1.3	1.5	.3							3.4	7.4
NNW	.6	2.2	1.8	.2							4.8	6.4

ADAPTABLE

CALM	//////////										5.1	////
TOTALS	15.8	37.5	32.5	8.8	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 1800-2000

DICTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	3.6	3.2	1.6	.1								8.5	4.4
NNE	1.6	1.8	.5									4.0	4.4
NE	1.3	1.9	.6									4.0	4.7
NNE	1.4	1.2	.4	.1								3.1	4.5
E	1.5	.8	.3									2.6	3.6
ESE	1.0	1.4	.8									3.1	4.7
SE	1.3	1.5	.9									3.7	4.6
ESE	1.5	2.7	1.3	.1								5.6	5.3
S	2.4	4.1	3.1	.3								9.9	5.5
SSW	2.6	3.4	2.9	.3								9.3	5.5
SW	2.7	1.6	1.8	.1								6.2	4.7
WSW	1.3	1.2	.8									3.2	4.6
W	1.1	1.6	.4	.3								3.4	4.9
WNW	.8	1.0	.3	.2	.1							2.4	5.8
NW	.5	.9	.8									2.2	5.7
NNW	.8	1.8	.6	.2		.1						3.6	6.0
VARIABLE													
CALM												25.3	////
TOTALS	25.2	3.1	17.2	1.9	.1	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 929



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: MAY      HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.2	.5	.1	.1	.1					4.9	4.6
NNE	.6	1.2	.3	.1							2.3	4.8
NF	1.2	1.0	.4								2.6	4.3
ENE	.8	.2	.1								1.1	3.2
E	1.3	.9		.1							2.3	3.7
ESE	1.3	1.0	.1								2.4	3.2
SE	.6	1.1	.4								2.2	4.9
SSE	1.8	2.8	.9								5.5	4.4
S	2.7	6.7	4.1	.1							13.5	5.4
SSW	2.2	2.5	1.4	.2							6.2	5.1
SW	1.8	1.9	.5								4.3	4.3
WSW	1.2	.9	.3	.1							2.5	4.7
W	.2	1.0	.8	.3	.1						2.4	7.3
WNW	.3	.4	.4	.1	.1						1.0	9.6
WW	.1	.6	.5	.1	.1						1.5	7.0
WNW	.4	.8	.4	.1							1.7	5.8

VARIABLE

WIND	18.3	24.8	11.3	1.4	.4						43.8	2.8
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TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 77-86 PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NAME: SIMMONS AAF/FT BRAGG NC MONTH: JUN HOURS (LST): 0000-0200

WIND DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56		
N	1.7	.2	.2	.2							4.4	3.9
NNE	1.1	1.4	.7	.2							3.7	5.1
NEL	.8	.9	.4								2.1	4.5
NNE	1.2	1.8	.2								3.2	4.1
E	1.2										1.2	2.1
ESE	.3	.2	.1								.7	3.7
E	1.1	.7	.2								2.0	3.5
ESE	1.8	1.2	.3								3.3	3.7
S	4.6	1.9	.3								6.8	3.1
SSW	3.4	4.2	1.2	.1							9.0	4.3
SW	2.8	3.7	1.7								8.1	4.6
WSW	2.7	1.6	.6								4.8	3.6
W	.8	1.2	.3	.1							2.4	5.0
WNN	.1	.6	.2								.9	5.4
WN	.2	.8	.4	.1							1.6	6.4
WNW	.4	.7	.3	.1							1.6	5.4

VARIABLE

CALM 44.2

TOTALS 25.1 22.4 7.3 .8 .1 100.0 2.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/TAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAF

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT HPAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	3.4	2.8	1.0	.1								7.3	4.1
NNE	1.1	2.0	.8									3.9	4.8
NE	.7	1.0	.3	.1								2.1	5.0
ENE	1.4	.6	.2									2.2	3.7
E	.9	.6	.2									1.7	3.5
ESE	.9	.2										1.1	2.9
SE	.4	.2	.1									.8	3.6
SSE	.6	.7	.2									1.4	4.0
S	1.2	.9	.3									2.4	3.8
SSW	2.4	3.3	.9	.1								6.8	4.4
SW	3.2	3.9	1.3									8.4	4.3
WSW	3.6	2.1	.4									6.1	3.6
W	1.0	1.6	.2									2.8	4.0
WNW	.7	.2	.2									1.1	3.9
WW	.4	1.2	.2	.1								2.0	5.1
NNW	.4	.3	.8	.1								1.7	5.8
VARIABLE													
CALM												48.1	////
TOTALS	22.4	21.6	7.3	.6								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFLTAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746030 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	5.8	4.4	1.2	.3							11.8	4.0
NNE	1.6	2.3	2.1								6.0	5.4
NE	1.6	1.9	1.3								4.8	5.2
NNE	1.7	1.2	.7								3.6	4.5
E	1.4	1.1	.4	.1							3.1	4.4
ESE	.8	.6	.1								1.4	3.3
SE	1.3	.2	.1								1.7	2.9
SSE	.7	.2									.9	2.6
S	1.9	1.6	.1								3.6	3.6
SSW	2.9	2.8	.8								6.4	4.0
SW	2.9	4.7	2.0								9.6	4.9
WSW	2.3	5.1	1.7	.3							9.4	5.1
W	1.4	2.0	1.4								4.9	5.0
WNW	.4	1.6	.7	.1							2.8	5.7
NW	.7	1.2	.7	.1							2.7	5.5
NNW	1.6	1.1	1.1								3.8	4.6

VARIABLE											
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	23.7
TOTALS	28.9	32.0	14.4	1.0							100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/AFAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MON, H: JUN HOURS (LST): 0900-1100

DIRECTION (OBSERVED)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.0	4.1	2.6	.4							9.1	5.9
NNE	.9	2.8	2.6								6.2	5.9
NE	1.2	3.6	2.9	.6							8.2	6.5
NNE	.8	4.2	1.7	.7							5.3	6.7
E	2.2	2.4	1.0	.2							5.9	4.8
ESE	1.4	2.1	.7								4.2	4.4
SE	1.1	.7	.2								2.0	4.2
SSE	1.6	1.1	.2								2.9	3.8
S	1.6	2.6	.9								5.0	4.7
SSW	2.7	3.0	2.8	.1							8.6	5.4
SW	1.3	3.4	3.0	.2							8.0	6.0
WSW	2.2	3.9	4.0	.2							10.3	6.0
W	.9	2.7	3.2	.4							7.2	6.6
WNW	.4	1.9	1.2	.1							3.7	5.9
NW	.9	1.8	1.4	.4							4.6	6.5
NNW	.7	1.8	1.9	.3							4.7	6.5

VARIABLE

CALC 4.1

TOTALS 21.9 40.0 30.2 3.8 100.0 5.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: JUN    HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.9	5.0	2.2	.7							9.8	5.7
NNE	.7	3.1	1.3								5.1	5.6
NE	1.0	2.9	2.2	.4	.1						6.7	6.4
ENE	.6	2.2	2.4	.3							5.6	6.7
E	1.6	2.2	1.2	.3							5.3	5.2
ESE	.9	2.2	.4	.1							3.7	5.0
SE	1.0	2.0	.8								3.8	5.0
SSE	.9	1.3	1.3								3.6	5.6
S	2.4	4.2	1.3								8.0	4.6
SSW	1.4	4.0	2.3	.4							8.2	5.9
SW	1.1	3.0	2.7	.2							7.0	6.1
WSW	.9	3.1	4.8	1.0							9.8	7.3
W	1.2	2.6	2.3	1.0							7.1	6.8
WNW	.4	.9	1.6	.7							3.6	7.8
NW	.4	1.3	1.2	.2							3.2	6.4
NNW	1.8	1.2	2.1	.4	.1						5.7	6.3

VARIABLE												
CALM	////////////////////										4.0	////
TOTALS	18.2	41.3	30.3	5.9	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	2.8	3.8	3.0	.1								9.7	5.2
NNE	.4	3.0	1.6									5.0	5.7
NE	.9	2.4	1.8	.4	.2							5.8	6.5
ENE	1.4	2.7	2.7									6.8	5.7
E	1.6	3.2	1.7	.1								6.6	5.1
ESE	2.1	1.6	.8									4.4	4.1
SE	.7	1.9	.8									3.3	5.2
SSE	1.3	2.0	.7	.1								4.1	4.8
S	1.4	3.0	1.7	.4	.1							6.7	5.8
SSW	1.9	3.2	3.1	.2								8.4	5.7
SW	1.0	3.6	3.6	.4								8.6	6.4
WSW	1.3	2.6	4.1	.4								8.4	6.5
W	1.2	2.6	2.2	.4	.1							6.6	6.4
WNW	.4	.4	1.3	.3								2.6	7.4
NW	.1	1.1	1.1	.7								3.0	7.9
NNW	.8	1.4	1.9	.4	.2							4.8	7.2

VARIABLE

CALM

TOTALS

19.4 38.4 31.9 5.2 .7 5.3 100.0 5.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.3	2.3	1.0	.4							7.1	4.6
NNE	1.4	1.0	.4								2.9	4.0
NE	1.6	2.3	.8								4.7	4.5
ENE	1.9	2.3	1.2	.2							5.7	4.9
E	3.1	2.2	.4								5.8	3.6
ESE	1.8	.7	.2	.1							2.8	3.6
SE	1.9	.9	1.0								3.8	4.4
SSE	1.9	2.2	1.0	.1							5.2	4.8
S	2.7	3.1	1.9	.1							7.8	5.0
SSW	3.3	4.9	1.9	.1							10.2	4.7
SW	2.7	3.7	1.6								7.9	4.8
WSW	.9	1.7	1.3				.1				4.0	6.1
W	.8	1.4	.4	.1							2.8	5.0
WNW	.4	.2	.3	.1							1.1	5.6
NW	.2	.3	.7	.1							1.3	7.1
NNW	.6	1.0	.7	.6							2.8	6.4

VARIABLE

CALM	////////////////////	24.2	////
TOTALS	28.4 30.3 14.9 2.0	.1	100.0 3.6

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86			
										MONTH: JUN    HOURS(LST): 2100-2300			
										WIND SPEED IN KNOTS			
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	GE 56	TOTAL %	MEAN WIND
N	1.2	1.7	.2	.2								3.3	4.4
NNE	.8	.6	.7									2.0	5.3
NE	.6	1.8	.3									2.7	4.8
ENE	.7	1.8	.4									2.9	4.8
E	1.3	.6	.1									2.0	3.1
ESE	1.0	.8	.2									2.0	3.7
SE	1.6	.9	.2									2.7	3.6
SSE	3.0	1.9	1.0									5.9	4.0
S	3.8	5.4	1.0									10.2	4.1
SSW	2.8	3.9	1.9	.1								8.7	4.9
SW	2.4	1.9	.6	.1								5.0	4.0
WSW	1.8	1.1	.3									3.2	3.9
W	.9	.7	.1									1.7	3.5
WNW		.3	.3	.1								.8	7.6
NW	.2	.3	.3	.1	.1							1.1	7.3
NNW	.7	.3	.4									1.4	4.6
..... VARIABLE .....													
CALM	////////////////////										44.4	////	
TOTALS	22.7	23.0	8.2	.7	.1						100.0	2.4	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 0000-0200

DIPECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	.9	.3									2.9	3.5
NNE	1.5	.3	.4	.1								2.4	4.1
NE	1.2	.9	.1									2.2	3.6
ENE	.9	.5	.1									1.5	3.4
E	.9	.6										1.5	3.1
ESE	.3	.2										.5	3.4
SE	.5	.2										.8	3.0
SSE	.4	.1										.5	2.4
S	4.3	2.6	.3									7.2	3.3
SSW	4.9	5.1	.9									10.9	3.7
SW	3.9	2.4	1.0									7.2	3.7
WSW	3.2	3.4	.4									7.1	4.0
W	2.2	1.5	.3	.1								4.1	3.7
WNW	.5	.6										1.2	3.7
NW	.3	1.3										1.6	4.3
NNW	.1	.6		.1								.9	5.5

VARIABLE

CALM /// 47.6 //

TOTALS 26.9 21.3 3.9 .3 100.0 1.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.3	1.1	.3								5.7	3.0
NNE	1.6	.9	.1								2.6	3.3
NE	.6	1.2	.4								2.3	4.5
ENE	.8	.4	.1								1.3	3.8
E	.6	.4	.1								1.2	3.7
ESE	.4										.4	2.3
SE	.3	.2									.5	3.2
SSE	.9	.1									1.0	2.6
S	1.8	.9	.2								2.9	3.2
SSW	5.1	2.3	.4								7.7	3.2
SW	5.2	3.1	.4								8.7	3.3
WSW	3.3	2.2	.4								5.9	3.3
W	2.4	1.4	.6								4.4	3.8
WNW	.8	.8									1.5	3.4
NW	.3	.3	.2								.9	4.4
NNW	1.0	1.3	.1								2.4	3.8

VARIABLE												
CALM	////////////////////										50.6	////
TOTALS	29.4	16.5	3.5							100.0	1.7	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.5	2.9	.6	.1							8.2	3.7
NNE	2.5	2.2	.8								5.4	3.8
NE	1.1	1.8	.5								3.4	4.3
ENE	1.2	1.4	.5								3.1	4.1
E	1.1	.9	.3	.1							2.4	4.4
ESE	.5	.3			.1						1.0	4.8
SE	.3										.4	5.5
SSE	1.2	.3									1.5	2.8
S	2.4	1.8	.3								4.5	3.5
SSW	4.1	3.1	.3								7.5	3.5
SW	4.7	3.1	1.3								9.1	3.9
WSW	2.6	3.8	1.4								7.5	4.7
W	2.6	2.6	1.1								6.2	4.2
WNW	1.2	1.5									2.7	3.9
NW	.5	1.0									1.5	3.9
NNW	1.9	2.4	.4								4.7	4.2

VARIABLE

CALM

TOTALS

32.2 29.0 7.6 .2 .2  
 100.0 2.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.7	4.7	1.5								8.9	4.7
NNE	1.6	4.0	1.7	.1							7.4	5.1
NE	1.8	1.7	1.5	.1							5.2	5.1
NNE	1.4	3.0	1.4								5.8	5.2
E	1.1	2.5	1.0	.2							4.7	5.3
ESE	1.3	.9									2.2	3.2
SE	.9	1.1	.1	.2							2.3	4.5
SSE	1.1	1.0									2.0	3.4
S	2.8	3.2	.5								6.6	4.0
SSW	1.5	3.1	1.8								6.5	5.3
SW	2.2	4.4	2.6	.4	.1						9.7	5.6
WSW	2.8	4.4	4.1	.2							11.5	5.6
W	1.6	2.5	1.7	.2							6.0	5.5
WNW	.8	1.7	1.0	.1							3.5	5.5
NW	1.0	1.3	.8	.2							3.2	5.4
NNW	1.6	2.0	.6								4.3	4.4

VARIABLE

CALM  
 TOTALS

26.0 41.5 20.3 1.8 .1 10.2 100.0 4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	3.1	1.9	.2	.1						7.5	5.6
NNE	2.0	2.3	1.4								5.7	4.8
NE	1.6	2.9	1.0	.3							5.8	5.2
ENE	.9	3.1	1.9	.1							6.0	5.7
E	1.1	2.9	1.3								5.3	5.3
ESE	.9	1.4	.4	.1							2.8	4.8
SE	.4	1.8	.5	.1							2.9	5.6
SSE	1.4	1.4	.5								3.3	4.3
S	2.2	4.5	1.7	.1	.1						8.6	5.0
SSW	1.5	4.1	4.0	.9							10.4	6.7
SW	.9	3.3	2.9	.5							7.6	6.7
WSW	1.2	2.8	2.7	.5							7.2	6.3
W	1.3	4.2	2.8	.5							8.8	6.1
WNW	1.4	1.8	1.4	.3							4.9	5.5
NW	.9	1.3	1.3	.2	.1						3.8	6.5
NNW	1.4	1.2	.9	.1							3.5	4.9

VARIABLE											5.7
CALM											100.0
TOTALS	21.1	42.2	26.7	4.1	.3						5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	4.7	1.1	.3	.1						8.5	5.1
NNE	1.7	1.5	1.5	.1							4.8	5.3
NE	1.0	2.8	.5	.1							4.4	5.0
ENE	1.2	2.5	1.7	.1							5.5	5.5
E	1.9	3.9	1.4								7.2	4.7
ESE	1.8	1.5	.6								4.0	4.1
SE	1.4	1.1	.8	.1							3.3	4.5
SSE	1.4	3.3	.3								5.1	4.4
S	2.5	3.4	2.3	.1							8.3	5.3
SSW	2.3	4.0	3.7	.6							10.5	6.0
SW	.8	4.3	3.0	.2	.1						8.4	6.2
WSW	.8	4.0	1.9	.4							7.1	6.0
W	1.1	2.2	1.9	.3							5.5	6.3
WNW	.6	.9	1.7	.5	.1		.1				4.0	8.4
NW	.2	1.2	1.5	.5							3.4	7.4
NNW	.3	1.3	.9	.1							2.6	6.1

VARIABLE

CALM // 7.4 //

TOTALS 21.2 42.5 24.8 3.7 .3 .1 100.0 5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930				STATION NAME: SIMMONS AAF/FT BRAGG NC				PERIOD OF RECORD: 77-86				MONTH: JUL				HOURS(LST): 1800-2000			
DIRECTION (DEGREES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND					
N		3.2	1.1	.4	.1								4.8	3.4					
NNE		1.5	1.1	.4	.1								3.1	4.6					
NE		1.4	1.4	.1									2.9	3.9					
ENE		2.2	1.2	.2									3.5	3.3					
E		3.2	1.8	.5									5.6	3.7					
ESE		2.4	.8										3.1	2.7					
SE		2.8	2.0	.2									5.1	3.6					
SSE		2.0	2.2	.3									4.5	4.0					
S		3.5	4.7	1.6	.2								10.1	4.6					
SSW		3.4	4.0	2.0			.1						9.6	4.6					
SW		2.3	2.5	.5									5.3	4.0					
WSW		1.7	2.0	.9									4.6	4.4					
W		1.1	1.4	1.0	.2								3.7	5.9					
WNW		.4	.6	.6	.2								1.9	6.4					
NW		.2	.5	.5	.2	.1							1.6	7.9					
NNW		.8	.6	.4									1.8	4.5					

VARIABLE	Σ	PERCENT	MEAN
CALM	0	0.0	0.0
TOTALS	32.2	28.0	9.9
		1.0	.3
		28.7	100.0
			3.1

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: JUL      HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.4	1.0										2.4	3.0
NNE	.5	.5	.1	.1	.1							1.4	6.0
NE	.8	.6										1.4	3.2
NNE	.8	.5	.2									1.5	3.7
E	1.0	.5	.1									1.6	3.3
ESE	.3	.3										.6	3.3
SE	1.2	1.3	.1									2.6	3.6
SSE	1.7	1.3	.2									3.2	3.5
S	4.2	5.4	1.9									11.5	4.4
SSW	4.2	5.4	1.8									11.4	4.3
SW	2.4	1.9	.4									4.7	3.8
WSW	2.0	2.3	.5									4.8	3.9
W	1.1	1.4	.5									3.0	4.4
WNW	.1	.5	.4									1.1	5.6
NW	.1	.4	.3									.9	5.4
NNW	.6	.6	.2									1.5	4.2

VARIABLE												
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	46.3	////
TOTALS	22.4	24.1	7.0	.1	.1						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
MONTH: AUG    HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.4	1.1	.4	.2							4.1	3.9
NNE	1.6	1.3	.9								3.8	4.5
NE	.8	1.0	.2								1.9	4.2
ENE	1.0	.3									1.3	2.6
E	1.0	.3	.1								1.4	2.8
ESE	.3	.3	.1								.8	3.7
SE	.5	.3									.9	3.3
SSE	.6	.2									.9	2.5
S	3.2	.9	.1								4.2	3.0
SSW	4.0	4.7	1.0								9.7	4.0
SW	3.7	3.1	.4	.1							7.3	3.7
WSW	2.3	3.5	.2								6.0	3.9
W	.8	.5	.2								1.5	3.8
WNW	.3	.1	.1								.5	4.0
NW	.2	.2	.1								.5	4.0
NNW	.4	.5	.1								1.1	3.8

VARIABLE

CALM	////////////////////	54.2	////
TOTALS	23.0    18.5    4.0    .3	100.0	1.7

TOTAL NUMBER OF OBSERVATIONS: 30

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 796930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.1	1.1									4.4	3.3
NNE	2.2	1.9	.6								4.7	3.8
NE	1.2	.6	.9	.1							2.8	5.
ENE	.5	.5									1.1	3.0
E	.2	.2									.4	3.3
ESE	.2										.2	2.0
SE	.2										.2	2.0
SSE	.3										.6	2.8
S	1.0	.3	.1								1.4	3.0
SSW	4.4	3.0	.2								7.6	3.3
SW	4.5	3.1	.4								8.1	3.3
WSW	2.3	1.9	.3								4.5	3.7
W	1.4	.4	.1								1.9	2.9
WNW	.4										.4	2.3
NW	.5	.4									1.0	3.2
NNW	1.5	1.0									2.5	2.8

VARIABLE

CALM // 58.1 //

TOTALS 24.0 14.9 2.7 .3 100.0 1.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	5.8	4.5	.5	.1							11.0	3.5
NNE	2.7	2.2	1.1								5.9	4.2
NE	.8	2.2	.9	.3							4.1	5.5
ENE	1.2	.3									1.5	2.6
E	1.3	.5	.1								1.9	3.3
ESE	.2	.2									.4	3.5
SE	.5										.5	2.2
SSE	1.1	.3									1.4	2.5
S	1.9	.4	.1								2.5	2.7
SSW	3.2	2.4	.8								6.3	3.8
SW	3.9	3.8	1.0								8.6	3.9
WSW	2.8	3.8	1.4								8.0	4.3
W	1.3	1.7	.2								3.2	4.1
WNW	.3	.5	.2								1.1	4.6
NW	.2	.5									.8	4.1
NNW	1.1	1.1	.1								2.3	3.8
VARIABLE												
CALM											40.5	////
TOTALS	28.3	24.4	6.3	.4							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930   STATION NAME: SIMMONS AAF/FT BRAGG NC													PERIOD OF RECORD: 77-86		
													MONTH: AUG   HOURS(LST): 0900-1100		
DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL Σ	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56				
N	3.9	4.6	2.3	.2								11.0	4.8		
NNE	2.8	3.8	1.7	.1								8.4	4.9		
NE	1.7	2.7	3.0	.1								7.5	5.8		
NNE	1.5	2.9	1.4	.1								5.9	5.0		
E	1.6	2.6	1.0									5.2	4.5		
ESE	.9	1.3	.2									2.4	4.1		
SE	.6	.6	.1									1.4	3.8		
SSE	1.2	1.4										2.6	3.6		
S	2.0	3.5	.6									6.2	4.3		
SSW	1.6	2.8	1.2									5.6	5.0		
SW	2.0	5.2	2.3	.3								9.8	5.5		
WSW	1.8	5.5	2.4									9.7	5.2		
W	1.7	3.1	2.3									7.1	5.3		
WNW	1.4	1.5	.5									3.4	4.4		
NW	.5	.5	.1	.1								1.3	4.8		
NNW	1.2	1.3	.6	.1								3.2	4.8		
VARIABLE															
CALM	////////////////////													9.4	////
TOTALS	26.6	43.3	19.7	1.1								100.0	4.5		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930				STATION NAME: SIMMONS AAF/FT BRAGG NC				PERIOD OF RECORD: 77-86								
				MONTH: AUG				HOURS(LST): 1200-1400								
				WIND SPEED IN KNOTS												
DIRECTION (DEGREES)				1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N				2.4	4.2	3.0	.8								10.3	6.0
NNE				2.3	4.8	1.7	.5								9.4	5.3
NE				1.2	1.6	1.1	.1								4.0	5.3
ENE				.9	3.3	1.5	.2								5.9	5.6
E				1.8	2.5	1.0									5.3	4.6
ESE				.9	1.9	.8	.2								3.8	5.2
SE				1.4	1.1	.1	.1								2.7	4.3
SSE				1.5	2.0	.4									4.0	4.2
S				1.5	3.9	2.8	.1								8.3	5.5
SSW				1.4	3.8	4.3	.1								9.6	6.3
SW				1.8	4.1	3.9	.3								10.1	6.1
WSW				1.0	3.0	2.8									6.8	6.0
W				1.2	2.4	1.8	.2								5.6	5.7
WNW				.4	1.3	.4	.3								2.5	5.9
NW				.6	1.4	.9									2.9	5.3
NNW				.9	1.1	.8	.2								2.9	5.5

VARIABLE												
CALM	////////////////////											
TOTALS	21.1	42.4	27.2	3.2								
												100.0
												5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND %
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	3.1	4.3	2.3	.8							10.4	5.3
NNE	1.6	4.3	1.3	.1							7.3	5.0
NE	2.0	2.9	1.0	.3							6.2	4.9
ENE	2.8	1.7	.9								5.4	3.9
E	1.9	3.1	.6								5.7	4.3
ESE	2.2	2.4	.3								4.8	3.8
SE	.9	2.8	.5								4.2	4.9
SSE	1.0	1.6	.9	.1							3.5	5.4
S	1.5	3.7	2.2		.1						7.4	5.6
SSW	2.2	5.3	4.5	.6							12.6	6.2
SW	1.7	3.9	2.8	.5							8.9	5.9
WSW	1.3	2.3	2.3	.2							6.0	6.0
W	.4	1.7	1.5	.2							3.9	6.5
WNW	.2	.6	1.1								1.9	6.6
NW	.5	.9	.5	.4							2.4	6.9
NNW	.6	1.1	1.1	.1	.1						3.0	6.3

VARIABLE											6.2	////
CALM											100.0	5.1
TOTALS	24.0	42.5	23.7	3.4	.1	.1						

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930			STATION NAME: SIMMONS AAF/FT BRAGG NC			PERIOD OF RECORD: 77-86									
						MONTH: AUG HOURS(IST): 1800-2000									
DIRECTION (DEGREES)			WIND SPEED IN KNOTS												
			1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N			4.0	2.2	.8	.2								7.1	3.8
NNE			3.0	1.2	.3	.1								4.6	3.4
NE			2.4	.9	.5	.2								4.0	4.2
ENE			.9	1.3	.1									2.3	3.8
E			2.3	1.4	.1									3.8	3.3
ESE			1.3	.2	.1									1.6	2.5
SE			1.7	1.0	.2									2.9	3.4
SSE			2.0	1.8	.1									4.0	3.7
S			2.2	4.1	1.1									7.3	4.6
SSW			4.5	4.3	1.2	.1								10.1	4.2
SW			3.9	1.8	.9	.1								6.7	3.7
WSW			1.0	1.4	.2									2.6	4.3
W			1.1	.2	.3	.1								2.7	4.3
WNW			.3	.2	.1									.6	4.2
NW			.4	.6	.3									1.4	4.8
NNW			.5	.9	.3	.1								1.8	5.5

VARIABLE													
CALM	////////////////////												36.6
TOTALS	31.4	24.4	6.7	1.0									100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FI BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 2100-2300

WIND SPEED IN KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
DIRECTION (DEGREES)													
N	2.6	2.7	.3									5.6	3.6
NNE	1.6	.9	.2	.3								3.0	4.4
NE	1.6	1.6	.2									3.4	3.8
ENE	.8	1.0										1.7	3.7
E	1.3	.6										1.9	2.7
ESE	.9	.1										1.0	2.4
SE	1.3	.2										1.5	2.3
SSE	2.0	1.4	.1									3.5	3.4
S	3.2	3.2	1.0	.1								7.5	4.0
SSW	3.5	6.0	1.2									10.8	4.2
SW	2.5	1.3	.2	.1								4.1	3.7
WSW	1.7	1.0	.2									2.9	3.4
W	.3	.1	.1	.1								.6	5.5
WNN	.3	.1	.2	.2								.9	6.8
NW	.5	.2										.8	2.4
NNW	.3	.1										.4	2.3

VARIABLE													
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	50.3	////
TOTALS	24.5	20.5	3.8	.9								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: SEP    HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	5.8	5.1	1.2	.7							12.8	4.4
NNE	2.2	2.8	1.2	.2							6.4	4.6
NE	1.7	2.4	.8								4.9	4.4
ENE	1.2	.9	.6								2.7	4.3
E	1.1	.4	.3	.1	.1						2.1	4.7
ESE	.1	.1									.2	3.0
SE	.6	.4		.1							1.1	4.7
SSE		.2	.1								.3	6.3
S	1.3	.2	.4								2.0	3.7
SSW	2.8	2.7	.7								6.1	3.9
SW	3.1	2.2	.7								6.0	3.4
WSW	1.7	1.3									3.0	3.4
W	.6	.1									.7	2.7
WNW		.2									.2	4.0
NW	.1	.4		.2							.8	6.9
NNW	.6	1.6	.2	.3							2.7	5.7

VARIABLE

CALM      ////////////////////////////////////// 48.0      //

TOTALS      22.8    21.2    6.2    1.7    .1      100.0    2.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86													
MONTH: SEP    HOURS(IST): 0300-0500													
DIRECTION (DEGREES)	WIND SPEED IN KNOTS												
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	8.8	7.8	2.3	.6								19.4	4.2
NNE	2.8	3.9	.8	.1								7.6	4.4
NE	1.1	1.2	.8									3.1	4.8
ENE	.7	.7	.9									2.2	5.5
E	.8	.3	.1	.1								1.3	4.4
ESE	.1	.1	.1	.2								.6	9.2
SE		.1										.1	4.0
SSE	.1	.2										.3	3.7
S	.6	.7	.2									1.4	4.5
SSW	2.6	1.6										4.1	3.2
SW	2.0	3.0	.3									5.3	4.0
WSW	3.0	.8										3.8	2.7
W	.8	.6	.2									1.6	3.9
WNW	.1	.4	.1	.2								.9	7.1
NW	.2	.4	.2	.1	.1							1.1	6.8
NNW	1.1	1.7	.2									3.0	4.1

VARIABLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CALM	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44.1	.....
TOTALS	24.7	23.4	6.3	1.3	.1							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930		STATION NAME: SIMMONS AAF/FT BRAGG NC		PERIOD OF RECORD: 77-86		MONTH: SEP		HOURS(IST): 0600-0800	
						</			

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/F1 BRAGG NC												PERIOD OF RECORD: 77-86		
MONTH: SEP												HOURS(LST): 0900-1100		
WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND	
N	1.6	4.3	4.1	1.4								11.4	6.8	
NNE	2.3	6.0	5.7	1.7								15.7	6.7	
NE	2.7	4.9	4.7	.6	.1							12.9	6.1	
ENE	1.4	3.0	3.7	.1								8.2	6.0	
E	1.4	2.6	1.7	.1								5.8	5.3	
ESE	.4	.9										1.3	4.1	
SE	.4	.1	.1								.7	3.3		
SSE	.6	.4	.2	.1								1.3	5.0	
S	1.3	1.7	.7	.2								3.9	5.1	
SSW	.9	1.7	.7	.1								3.3	5.0	
SW	1.0	3.2	.9	.1								5.2	4.9	
WSW	1.0	3.0	1.9	.4								6.3	5.9	
W	2.2	2.1	1.4	.1								5.9	4.9	
WNW	1.1	1.6	.1	.1								2.9	4.5	
NW	1.2	.6	.6	.3								2.7	5.1	
NNW	1.1	1.1	1.0	.1								3.3	5.4	
VARIABLE														
CALM	////////////////////												9.1	////
TOTALS	20.8	37.1	27.3	5.6	.1							100.0	5.3	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: SEP      HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	4.4	4.7	1.3							13.2	6.4
NNE	2.7	6.6	3.6	.8							13.6	5.7
NE	2.4	3.0	4.4	.7							10.6	6.1
ENE	2.1	3.3	3.2	.1							8.8	5.5
E	1.4	2.9	1.0								5.3	4.9
ESE	.7	1.8	.3	.1							2.9	5.0
SE	.6	.4	.1								1.1	3.6
SSE	1.6	.8	.4								2.8	3.8
S	1.4	1.9	1.1	.4	.1						5.0	5.6
SSW	1.2	2.6	1.7	.1							5.6	5.8
SW	.9	2.3	1.7	.3							5.4	6.0
WSW	.9	2.4	2.0	.3							5.7	6.1
W	.9	2.0	1.6	.2							4.7	5.9
WNW	.6	1.1	.1	.3							2.1	5.6
NW	1.0	1.3	.6	.2	.1						3.2	5.6
NNW	1.3	1.9	1.4	.2							4.9	5.5

VARIABLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CALM	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	22.4	38.8	28.1	5.2	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.4	6.8	5.1	.8		.1					17.2	5.7
NNE	3.3	6.0	3.4	.8							13.6	5.6
NE	2.1	3.7	2.3	.1							8.2	5.3
ENE	3.0	3.6	1.3	.1							8.0	4.8
E	2.2	4.1	.9								7.2	4.5
ESE	.9	.7	.2	.2							2.0	5.0
SE	1.1	.9	.4								2.4	4.4
SSE	1.2	.9	.4	.2							2.8	4.6
S	1.4	2.3	.7	.1							4.6	4.8
SSW	2.3	3.1	2.3	.3							8.1	5.3
SW	1.8	3.7	1.4								6.9	4.9
WSW	.8	1.2	1.6	.3							3.9	6.6
W	1.0	1.0	1.0	.1							3.1	5.7
WNW	.6	.8	.4								1.8	4.9
NW	1.3	.4	.8	.1							2.7	4.9
NNW	.6	.8	.6	.3							2.2	6.0
VARIABLE												
CALM												5.3
TOTALS	28.1	39.9	23.0	3.6		.1					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC      FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
MONTH: SEP    HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	6.4	4.4	1.8	.9							13.6	4.6
NNE	3.8	2.2	1.6	.2							7.8	4.5
NE	2.1	2.4	.4	.1							5.1	4.4
ENE	2.0	1.1	.1	.4							3.7	4.4
E	1.6	1.2	.2								3.0	3.6
ESE	1.6	.8	.2								2.6	3.3
SE	1.6	.4	.1								2.1	3.0
SSE	1.2	.6	.2								2.0	3.3
S	1.6	.9	.4								2.9	3.9
SSW	1.4	2.6	.7								4.7	4.3
SW	1.9	.9									2.8	2.7
WSW	1.2	.7	.1								2.0	3.1
W	.4	.2	.2								.9	4.4
WNW												
NW	.2	.3	.1								.7	4.7
NNW	.4	.9	.3	.1							1.8	5.2
VARIABLE												
CALM											44.6	////
TOTALS	27.4	19.7	6.6	1.8							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.0	4.1	1.3	1.0							10.4	5.0
NNE	3.3	2.9	.7	.4							7.3	4.3
NE	2.0	1.8	.7								4.4	4.2
ENE	1.0	.8	.6	.4							2.8	6.2
E	1.2	.4	.2								1.9	3.5
ESE	.7	.2									.9	2.5
SE	1.0	.6									1.6	3.0
SSE	.4	.2									.9	5.1
S	1.3	1.4	.6			.2					3.3	4.1
SSW	2.4	3.0	1.2								6.7	4.6
SW	2.0	1.0	.1								3.1	3.4
WSW	.8	.2									1.0	2.8
W	.1	.4									.6	4.6
WNW		.1									.1	5.0
NW		.9									.9	4.8
NNW	.6	.6	.3	.6							2.0	7.0
VARIABLE												
CALM											52.1	////
TOTALS	20.9	18.7	5.7	2.7								100.0 2.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	6.6	4.2	1.6	.9								13.2	4.4
NNE	2.2	2.9	1.7	.9								7.6	5.7
NE	1.4	1.4	.8									3.5	4.8
ENE	.4	1.0	.2									1.6	5.1
E	.8	.5	.3									1.6	4.3
ESE	.1	.2										.3	4.0
SE	.2	.1										.3	2.3
SSE	.8	.1	.1									1.0	2.3
S	1.1	1.2	.3									2.6	4.1
SSW	1.1	3.1	.5									4.7	4.8
SW	1.4	.5										1.9	2.8
WSW	.4	.6		.1								1.2	4.8
W	.2	1.0	.2									1.4	4.8
WNW	.2	.4	.2									.9	5.1
NW	.6	.5	.5									1.7	5.1
NNW	1.1	1.6	.9	.1								3.7	5.1
VARIABLE													
CALM													52.7
TOTALS	18.5	19.5	7.4	1.9								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	10.3	5.9	2.6	.4							19.2	4.0
NNE	2.5	3.1	2.5	.2							8.3	5.5
NE	.4	1.2	.4								2.0	5.2
NNE	.4	.8	.1								1.3	4.1
E	.2	.3									.5	3.6
ESE		.1	.1								.2	7.0
SE	.4	.1	.1								.6	3.0
SSE	.5	.2									.8	3.0
S	1.0	1.0									1.9	3.4
SSW	1.9	1.3	.3								3.5	3.7
SW	1.1	.9	.1								2.0	3.4
WSW	1.2	.3	.1								1.6	2.8
W	.6	.5	.1								1.3	3.4
WNW	.2	.6	.4								1.3	5.7
NW	.6	1.0	.6	.1							2.4	5.7
NNW	2.0	2.6	1.0	.1							5.7	4.4

VARIABLE												
CALM	////////////////////										47.2	////
TOTALS	23.5	19.9	8.5	.9							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	8.9	8.9	3.7	.6							22.2	4.6
NNE	2.6	2.4	2.6	.2							7.7	5.6
NE	1.0	1.2	.6	.1							2.9	5.3
ENE	.4	.8	.3	.2							1.7	5.4
E	.3	.3	.1								.8	4.0
ESE	.1	.2									.3	3.7
SE	.6	.1	.1								.9	3.0
SSE	.6	.6									1.3	3.3
S	.8		.1								.9	2.9
SSW	1.6	1.7	.4								3.8	4.0
SW	1.1	1.4	.4	.1							3.0	4.8
WSW	1.9	1.3		.1							3.3	3.4
W	.4	.5	.4								1.4	5.0
NNW	.1	.3	.3	.1							.9	6.9
NW	.3	.6	.8	.2							1.9	6.4
NNW	2.5	3.4	1.6	.3							7.8	5.1

VARIABLE	39.2	////
CALM	100.0	2.9
TOTALS	23.3	23.9 11.5 2.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.0	5.7	5.5	2.4							17.5	6.6
NNE	2.3	5.4	5.6	1.8							15.1	6.8
NE	1.5	3.3	2.7	1.2							5.7	6.5
ENE	.9	2.7	1.2								4.7	5.5
E	1.2	1.4	.4								3.0	4.4
ESE	.4	.6									1.1	3.6
SE	1.1	.8	.1								1.9	3.6
SSE	.9	.9	.3								2.0	4.2
S	1.6	1.6	.6	.1							4.0	4.5
SSW	.9	1.1	2.0	.1							4.1	6.4
SW	1.4	1.3	1.6	.2							4.5	5.9
WSW	1.1	1.8	2.0	.5							5.5	6.5
W	1.0	1.7	1.2	.2							4.1	5.7
WNW	.5	.3	.4	.5							1.8	7.8
NW	.4	.8	.6	.9	.1						2.8	8.3
NNW	.8	1.8	2.8	.5							5.9	7.0

VARIABLE											
CALM	////////////////////									13.2	////
TOTALS	19.8	31.2	27.2	8.5	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREE(S))	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	6.7	5.3	1.6							16.1	6.3
NNE	2.3	3.9	4.5	.6							11.3	6.1
NE	1.4	3.5	3.7	.6							9.2	6.5
NNE	1.5	2.6	1.3								5.4	5.2
E	1.4	1.6	.6	.3							4.0	5.1
ESE	.8	.5									1.3	3.5
SE	.9	.4		.1							1.4	3.6
SSE	1.3	1.3	.5								3.1	4.3
S	2.0	2.2	1.2								5.4	4.6
SSW	1.0	.8	2.6	.5							4.8	6.9
SW	1.3	1.2	1.7	1.0							5.2	6.8
WSW	1.7	2.6	2.3	.6							7.2	6.1
W	1.4	2.0	1.3	.8	.2						5.7	6.7
WNW	.9	.9	1.3	.5	.1						3.7	7.4
NW	1.0	1.1	2.0	.4	.1						4.6	7.3
NNW	1.5	1.3	2.3	.5							5.6	6.4

VARIABLE	TOTALS	22.8	32.5	30.5	7.7	.4	6.0	5.7
CALM	6.0	100.0						

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.0	6.8	5.1	.3	.3	.3					16.5	5.8
NNE	2.5	4.5	3.8	.5							11.3	5.9
NE	1.9	3.5	1.7	.2							7.4	5.2
ENE	1.1	1.6	.4	.2							3.3	4.9
E	1.3	1.6	.4								3.3	4.0
ESE	1.2	.8									1.9	3.1
SE	1.1	1.0	.1								2.2	3.6
SSE	1.0	1.0	.2								2.2	3.8
S	2.4	1.7	.6	.2							4.9	4.3
SSW	2.9	3.1	2.0	.5							8.6	5.3
SW	1.3	2.2	1.0	.2							4.6	5.3
WSW	.8	1.6	.5	.5							3.4	5.8
W	1.1	1.5	1.2	.5							4.3	6.1
WNW	.2	1.4	1.5	.5							3.7	7.4
NW	.4	1.1	1.6	.9							4.0	7.9
NNW	1.6	1.7	2.4	.4							6.1	6.2

VARIABLE

CALM  
 TOTALS 24.6 35.1 22.6 5.2 .3 100.0 4.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS(IST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	5.4	3.3	1.5	.8	.1	.1						11.2	4.8
NNE	1.7	3.1	2.2	.3								7.3	5.3
NE	1.6	1.6	1.0	.1								4.3	4.9
ENE	.6	.8		.1								1.5	4.1
E	.2	.3										.5	3.6
ESE	.4	.2										.6	2.7
SE	.5	.3	.1									1.0	3.9
SSE	.6	.5	.2									1.4	4.2
S	1.7	.9	.4									3.0	3.6
SSW	1.6	1.4	.2	.1								3.3	3.9
SW	.8	.9		.2								1.8	4.5
WSW	.5	.4		.1								1.1	3.8
W	.6	.3										1.0	3.0
WNW	.1	.4										.5	4.6
NW	.2	1.0	.6									1.8	5.8
NNW	1.5	1.0	.9	.1								3.4	4.9

VARIABLE	TOTALS	18.3	16.5	7.1	1.8	.1	.1	56.1	100.0	2.0
CALM	18.3	16.5	7.1	1.8	.1	.1	56.1	100.0	2.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: OCT    HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	4.5	4.2	1.9	.8							11.4	4.8
NNE	1.2	3.8	1.5	.2							6.7	5.6
NE	.4	2.5	1.5	.3							4.7	6.1
ENE	.6	1.2	1.0								2.8	5.2
E	1.0	.4									1.4	3.3
ESE												
SE	.3	.4	.1								.9	4.4
SSC	1.0	.9	.1								1.9	3.6
S	1.6	1.6	.3								3.5	3.8
SSW	.9	1.5	1.0								3.3	5.2
SW	.9	.6	.1								1.6	3.9
WSW	.5	.5	.3								1.4	4.3
W	.1	.3	.2								.6	5.7
WNW	.2	.5	.3	.1							1.2	6.5
NW	.5	.9	.8	.3							2.5	6.7
NNW	1.3	.4	.2	.1							2.0	3.8

VARIABLE

CALM    ///    54.0    //

TOTALS    15.1    19.8    9.4    1.8    100.0    2.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930      STATION NAME: SIMMONS AAF/FT BRAGG NC      PERIOD OF RECORD: 77-86  
 MONTH: NOV      HOURS(1ST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	6.9	4.8	1.7	.4							13.8	4.1
NNE	2.0	3.0	1.6	.2							6.8	5.2
NE	.6	2.1	.8								3.4	5.3
ENE	.3	.7	.6	.1							1.7	6.0
E	.3	.3		.1							.8	4.6
ESE	.3	.4									.8	3.3
SE	.3		.2								.6	3.8
SSE	.6	1.1	.2								1.9	4.4
S	1.1	1.0	1.1	.1							3.3	5.4
SSW	.9	1.2	.6	.2							2.9	5.5
SW	.9	.4	.4	.1							1.9	5.2
WSW	1.2	.6	.7	.3							1.8	5.6
W	.6	.8	1.3	.1							2.8	6.3
WNW	.4	1.4	1.0	.1	.1						3.1	7.0
WW	.4	1.2	1.2								2.9	5.5
NNW	1.9	1.6	.7	.1							4.2	4.3

VARIABLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
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TOTAL NUMBER OF OBSERVATIONS: 900

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0300-0500

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

WIND SPEED IN KNOTS

DIRECTION DEGREES)	WIND SPEED IN KNOTS								TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	7.6	6.1	1.8						15.4	3.8
NNE	2.7	3.8	.9	.3					7.7	4.7
NE	1.0	1.8	.9						3.7	5.0
ENE	.3	.7	.1	.1					1.2	5.2
E	.6	.4		.1					1.1	4.7
ESE	.2	.1	.3						.7	6.2
SE	.6		.1						.7	3.2
SSE	.6	.6							1.1	3.0
S	.8	1.4	.6						2.8	5.0
SSW	1.1	1.1	.7	.1					3.0	5.1
SW	.9	.8	.1						1.8	3.9
WSW	.3	1.0	.4	.1					1.9	6.0
W	.3	1.2	1.4	.4					3.4	7.6
WNW	.1	1.1	.9	.2					2.3	7.0
NW	1.3	1.8	.6	.3					4.0	5.2
NNW	1.6	1.3	.8	.2					3.9	5.1

**VARIABLE**

**CALM**

**TOTALS**

TOTAL NUMBER OF OBSERVATIONS: 9000

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG MC													PERIOD OF RECORD: 77-86	
													MONTH: NOV    HOURS(LST): 0600-0800	
DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56			
N	5.6	6.8	2.8	.4	.1								15.7	4.8
NNE	1.7	4.3	1.4	.1									7.6	5.0
NE	.9	1.8	.8										3.4	4.9
ENE	.2	.4	.8	.1									1.6	6.5
E	.2	.1	.4										.8	6.0
ESE		.2											.2	6.0
SE	.6	.6	.2	.1									1.4	4.9
SSE	.8	.4	.1										1.3	3.3
S	.9	.4	.4	.2									2.0	5.7
SSW	1.0	1.0	1.0	.1									3.1	5.6
SW	.4	.8	1.1	.1									2.4	6.7
WSW	.4	1.0	.7	.1									2.2	6.1
W	.6	1.3	.8	.2									2.9	6.1
WNW	.3	.7	.9	.4									2.3	7.2
NW	.8	.9	.8	.3									2.8	6.2
NNW	1.4	3.1	1.0	.2	.1								5.9	5.5

VARIABLE													
CALM	////////////////////												44.3 //
TOTALS	15.8 23.9 13.2 2.6 .2												100.0 3.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.3	6.3	5.6	2.3							18.6	6.4
NNE	1.6	3.7	3.4	.9							9.6	6.5
NE	.9	2.4	1.6	.7							5.6	6.4
ENE	1.1	2.0	1.7	.2							5.0	5.9
E	1.2	1.7	.9								3.8	5.0
ESE	.4	.1									.6	2.6
SE	.6	.3	.6	.2							1.7	6.0
SSE	.7	1.1	.7								2.4	5.0
S	1.4	1.3	1.3	.3							4.4	5.7
SSW	1.0	1.3	1.9	.2							4.4	6.3
SW	.6	1.7	1.8	.3	.1						4.4	6.8
WSW	.2	1.6	1.4	.7							3.9	7.3
W	.6	.4	1.1	.7							2.8	6.2
WNW	.6	1.6	1.0	.9	.1						4.1	7.2
NW	1.3	.9	.7	1.0	.1	.1					4.1	7.7
NNW	1.0	.3	1.9	1.6	.3						5.1	8.8

VARIABLE

CALM

TOTALS

17.4 26.8 25.4 10.0 .7 .1 19.6 100.0 5.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFCTAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.3	5.7	5.4	1.6							14.0	6.9
NNE	1.6	3.9	2.6	.4							8.4	5.8
NE	1.4	2.7	1.7	.6							6.3	5.7
NNE	1.3	1.8	1.1	.1							4.3	5.0
E	1.3	1.4	1.1	.1							4.0	5.3
ESE	.7	.8	.2	.1							1.8	4.4
SE	.1	.4	.4								1.0	6.4
SSE	.3	1.0	.6	.2							2.1	6.1
S	1.7	1.8	2.8	1.0							7.2	6.6
SSW	1.1	1.6	2.7	.6							5.9	6.8
SW	1.0	1.9	2.6	.4	.1						6.0	7.1
WSW	.7	1.9	2.3	.6	.3						5.8	7.9
W	1.3	2.4	2.1	1.1	.1						7.1	6.9
WNW	1.1	1.4	1.2	2.2	.2						6.2	8.5
NW	1.1	.6	1.8	.7	.1						4.2	7.6
NNW	.6	2.6	1.6	1.4	.1						6.2	7.6
VARIABLE												
CALM												9.3
TOTALS	16.7	31.8	30.1	11.1	1.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.7	0.1	3.8	1.1							14.7	5.7
NNE	2.3	3.0	2.4	.3							8.1	5.5
NF	1.3	2.3	.8								4.4	4.6
FNE	1.6	1.7	1.1								4.3	4.9
E	1.2	.8	.8								2.8	4.2
ESE	.6	.2									.8	2.9
SE	.8	.4	.2								1.4	3.7
SEF	.9	.4	.4	.1							1.9	4.9
S	1.9	3.6	1.9	.6							7.9	5.6
SSW	2.0	1.8	2.2	.3							6.3	5.5
SW	1.0	1.7	1.0	.6							4.2	6.3
SSW	.6	1.9	1.4	.6							4.4	6.9
W	1.2	1.8	2.0	1.2							6.2	7.1
WNW	.3	1.1	1.8	1.3	.1						4.7	8.6
NW	.4	1.6	1.2	1.1							4.3	8.2
NNW	1.1	1.8	1.4	.8	.1						5.2	7.1

VARIABLE

CALM	18.2	////
TOTAL	100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG MC PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 1800-2000

DIRECTION (DEG. (S))	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	5.3	3.8	1.6	.1							10.8	3.9
NNE	2.4	2.8	1.4	.2							6.9	5.0
NE	1.6	1.0	.7								3.2	4.2
ENE	.3	.7	.6	.1							1.7	5.8
E	.6	.2	.2								1.0	3.8
ESE	.3	.7									1.0	4.2
SE	.4	1.0	.2								1.7	4.9
SSE	.6	.7	.1								1.3	4.0
S	1.3	1.9	.4	.2							3.9	4.7
SSW	1.0	.9	.4	.1							2.4	4.5
SW	.6	.4	.6								1.6	5.2
WSW	.9	.8	.6	.1							2.3	5.2
W	.7	.7	1.0	.2							2.6	6.3
WNW	.2	1.1	1.0	.4							2.9	7.4
NW	.8	.9	1.2	.4							3.3	6.5
NNW	.9	1.4	1.4	.1							3.9	5.9

VARIABLE

CALM /// 49.7 //

TOTALS 17.9 18.9 11.4 2.1 100.0 2.5

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: NOV    HOURS(LST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	4.3	4.6	1.7	.1								10.7	4.4
NNE		3.3	1.2									6.9	4.5
NE	.7	1.8	.7	.2								2.9	5.4
ENE	1.0	.8	.8									2.6	5.0
E	.4	.2	.1									.8	4.0
ESE	.6											.6	2.4
SE	1.0	.8	.3									2.1	4.2
SSE	1.1	.7	.2									2.0	3.9
S	2.1	2.6	.9	.3								5.9	4.7
SSW	.9	1.2	.4	.1								2.7	5.0
SW	.7	.3	.7									1.7	5.1
WSW	.8	1.0	.4	.3								2.6	5.5
W	.6	1.1	.9	.1								2.7	5.7
WNW	.2	.6	.8	.2								1.8	6.9
WW	.6	1.3	1.0	.3	.1							3.1	6.8
NNW	2.3	1.8	1.0	.8								5.9	5.5

VARIABLE

CALM        
 TOTALS      19.6    21.8    10.7    2.6    .1      45.3    2.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AFB/FT DRAGG NC PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.7	1.4	2.4								12.8	4.4
NNE	1.4	2.1	1.5	.5							5.5	5.9
NE	.3	1.1	.3								1.7	5.0
NNE	.4	.1									.5	3.2
E	.4	.2	.1								.8	3.9
ESE	.2	.1	.1	.1							.5	6.2
SE	.1										.1	2.0
SSE	.2	.4	.1								.8	4.4
S	1.3	1.5	1.1	.3							4.2	5.7
SSW	1.7	1.8	1.2	.1							4.9	5.1
SW	1.3	1.6	.7								3.6	4.4
WSW	1.4	.9	1.1	.1							3.5	5.2
W	.4	.9	.8	.2							2.3	6.1
WNW	.2	1.7	1.6	.7							4.2	7.8
W	.5	1.8	1.4	.2	.1						4.1	6.4
WNW	1.5	1.7	.5	.8							4.6	5.7

VARIABLE

CALM	16.3	21.8	12.9	3.0	.1						45.8	////
TOTAL											100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: DEC    HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	6.1	7.3	2.0	1.2							16.5	4.8
NNE	1.3	2.4	.9	.4							5.0	5.5
NE	.7	.5	.4	.1							1.7	5.1
ENE	.1	.7									.8	4.4
E	.2	.3	.1								.7	4.7
ESE		.1									.1	4.0
SE	.3	.1									.4	2.8
SSE	.3		.2	.1							.7	6.3
S	1.4	1.0	.8	.2							3.4	5.0
SSW	1.3	2.0	1.3	.3							4.9	5.8
SW	2.3	1.7	.9	.1							5.0	4.6
WSW	1.5	1.6	.3								3.5	3.6
W	.9	1.3	.5								2.7	4.6
WNW	.5	1.2	1.0	.5							3.3	7.0
NW	.5	2.1	.9	.2							3.7	5.9
NNW	2.1	2.1	1.0	.1							5.2	4.7

VARIABLE												
CALM	////////////////////										42.6	////
TOTALS	19.5	24.3	10.2	3.4							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC														PERIOD OF RECORD: 77-86											
														MONTH: DEC				HOURS(LST): 0600-0800							
														WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND											
N		8.0	5.9	2.2	.4								16.5	4.3											
NNE		1.4	2.3	1.4	.5								5.6	5.6											
NE		.7	.9	.3	.1	.1							2.1	5.7											
ENE		.2	.5	.1									.9	4.5											
E		.3	.4	.1									.9	4.3											
ESE			.1										.1	6.0											
SE		.3	.5										.9	3.5											
SSE		.5	.2										.8	2.7											
S		1.1	1.0	.5	.2								2.8	5.2											
SSW		1.4	2.4	1.1	.3								5.2	5.3											
SW		1.5	1.2	.8	.3								3.8	5.5											
WSW		1.1	1.6	.2	.2								3.1	4.6											
W		1.2	1.3	.4	.1								3.0	4.4											
WNW		.3	.9	1.2	.3								2.7	7.2											
NW		.9	2.4	.7	.1	.1							4.1	5.5											
NNW		1.4	3.7	1.3	.4								6.8	5.5											

VARIABLE													
CALM	////////////////////												40.6
TOTALS	20.4	25.3	10.3	3.1	.2								100.0

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD: 77-86  
 MONTH: DEC    HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	6.2	5.7	1.9							15.7	6.9
NNE	1.3	3.4	3.8	.8							9.2	6.7
NE	1.2	1.8	1.5	.1							4.7	5.6
ENE	1.1	1.5	1.0								3.6	5.2
E	.8	1.5	.2								2.5	4.4
ESE	.5	.3	.1								1.0	3.8
SE	.8	.6	.1								1.5	3.9
SSE	1.7	1.0									2.8	3.5
S	1.3	1.8	.5	.2							3.9	5.1
SSW	1.4	2.2	2.2	1.1							6.8	6.9
SW	1.5	2.5	2.4	.5							7.0	6.1
WSW	.9	2.1	1.1	.8							4.8	6.3
W	.5	1.4	1.5		.2						3.7	6.5
WNW	.6	1.4	2.2	.5	.1						4.9	7.2
NW	.4	1.2	1.2	.9							3.7	8.1
NNW	1.0	1.4	3.1	1.6	.1						7.3	8.0

VARIABLE

CALM	17.0	30.3	26.6	8.5	.4	17.1	////
TOTALS	17.0	30.3	26.6	8.5	.4	100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME:    SIMMONS AAF/FT BRAGG NC    PERIOD OF RECORD:    77-86													
MONTH: DEC    HOURS(LST): 1200-1400													
DIRECTION (DEGREES)	WIND SPEED IN KNOTS												
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.9	6.4	5.4	1.8								16.6	6.6
NNE	2.1	2.6	2.6	.4								7.7	5.8
NE	1.0	1.5	1.1	.8								4.3	6.4
ENE	.9	1.1	1.2	.1								3.2	5.6
E	1.5	1.1	.3	.3								3.2	4.7
ESE	.6	.2	.1									1.0	3.4
SE	1.0	.6	.1									1.7	3.7
SSE	1.0	.5	.1									1.6	3.3
S	1.3	2.3	2.3	.5	.1							6.5	6.5
SSW	1.3	3.5	4.1	1.1	.1							10.1	7.1
SW	.1	1.2	4.5	.8								6.6	8.3
WSW	.8	1.8	3.2	.9	.1							6.8	7.5
W	.9	1.4	1.6	1.1	.2							5.2	7.8
WNW	1.0	1.7	1.9	1.5								6.2	7.6
NW	.4	1.1	1.6	1.8	.1	.2						5.3	9.8
NNW	.9	1.2	1.8	1.2	.1							5.2	7.6

VARIABLE	17.5	28.2	32.1	12.3	.8	.2	8.8	100.0	6.3
CALM									
TOTALS									

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	3.5	5.8	3.3	.7								13.2	5.5
NNE	1.6	3.7	1.3	.5								7.2	5.5
NE	1.3	2.0	1.3									4.6	5.0
ENE	1.0	1.3	.4									2.7	4.5
E	.4	1.0	.3	.1								1.9	5.2
ESE	.7											.7	2.5
SE	.7	.2										.9	2.9
SSE	.9	.4	.1									1.4	3.6
S	1.9	3.6	1.6	.2								7.3	5.2
SSW	2.1	3.8	3.2	1.3								10.4	6.5
SW	1.5	3.2	2.8	.2								7.8	5.8
WSW	.3	1.3	1.9	.2	.1							3.8	7.2
W	.9	1.5	1.3	.7								4.4	6.7
WNW	1.0	1.7	2.1	.7	.3							5.8	7.7
NW	.4	1.9	1.6	1.0		.1						5.0	7.6
NNW	.7	2.1	2.4	.7								5.8	7.1

VARIABLE

CALM	18.8	33.5	23.7	6.2	.4	.1						17.2	17.2
TOTALS												100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	3.8	3.2	1.4	.2								8.7	4.3
NNE	1.6	1.6	1.3	.2								4.8	4.9
NE	1.0	1.5	.2									2.7	4.1
NNE	1.0	.2	.2	.2								1.6	4.5
E	.5	.1	.2									.9	4.8
ESE	.2	.1	.1									.4	3.8
SE	.1	.2	.1									.4	5.5
SSE	.7	.3	.2									1.2	4.2
S	1.2	1.9	.5	.1								3.7	4.9
SSW	2.3	1.2	.7									4.2	3.8
SW	2.0	1.0	.2	.1								3.3	3.7
WSW	1.1	.9	.3	.4								2.7	5.6
W	1.4	1.6	.4	.4	.1							4.2	6.3
WNW	.2	.5	1.3	.2								2.3	7.5
NW	.4	1.2	1.0	.3								3.0	6.7
NNW	1.1	1.9	.5	.1	.2							3.8	5.8

VARIABLE

CALM	18.8	17.6	8.9	2.4	.2	.1	.1					51.9	2.4
TOTALS												100.0	

TOTAL NUMBER OF OBSERVATIONS: 910



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.8	3.1	1.3	.6							7.7	4.8
NNE	1.7	1.9	1.0	.2							4.7	5.0
NE	.7	2.1	.7								3.4	5.2
ENE	.3	.4	.3	.1							1.2	5.6
E	.4	.2	.4	.1							1.2	5.8
ESE	.1	.1									.2	3.0
SE	.2										.2	1.5
SSE	.1	.6	.4								1.1	6.2
S	1.2	1.7	1.3	.2							4.4	5.5
SSW	1.4	.8	1.8								4.0	5.4
SW	1.7	1.4	.9								4.0	4.3
WSW	.8	.7	.2	.2							1.9	5.3
W	1.2	1.4	1.1	.4		.1					4.3	6.4
WNW	.3	.7	.7	.3	.1	.1					2.2	8.5
NW	.8	1.9	1.9	.4	.1						5.1	7.0
NNW	.7	1.8	1.5	.4	.1						4.5	6.6

VARIABLE												
CALM	////////////////////										49.9	////
TOTALS	14.3	16.6	13.5	3.1	.3	.2					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 909

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING											
≥ 1800											
≥ 1500					91.0						92.6
≥ 1200											
≥ 1000											
≥ 900											
≥ 800											
≥ 700											
≥ 600											
≥ 500									97.4		98.1
≥ 400											
≥ 300											
≥ 200											
≥ 100											
≥ 0					95.4		96.9		98.3		100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.  
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:  
Visibility ≥ 3 miles = 95.4%.  
Visibility ≥ 2 miles = 96.9%.  
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

# ADDITIONAL EXAMPLES

## EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

## EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH  
USAFETC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMONS AAF/FT BRAGG NC  
PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS(LST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES													
FEET	IN	GE	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO	CEIL	2.0	54.2	55.2	55.8	56.1	56.2	56.4	56.6	56.6	56.6	56.8	57.1	57.1	57.1
GE	2000	2.0	57.1	58.1	58.6	58.9	59.0	59.3	59.5	59.5	59.5	59.8	59.9	60.1	60.1
GE	1800	2.0	57.1	58.1	58.6	58.9	59.0	59.3	59.5	59.5	59.5	59.8	59.9	60.1	60.1
GE	1600	2.0	57.1	58.1	58.6	58.9	59.0	59.3	59.5	59.5	59.5	59.8	59.9	60.1	60.1
GE	1400	2.0	57.7	58.7	59.3	59.6	59.7	59.9	60.1	60.1	60.1	60.5	60.6	60.8	60.8
GE	1200	2.0	58.6	59.6	60.1	60.5	60.6	60.8	61.0	61.0	61.0	61.3	61.4	61.7	61.7
GE	1000	2.1	61.3	62.3	63.0	63.3	63.4	63.6	63.8	63.8	64.1	64.2	64.3	64.5	64.5
GE	900	2.1	61.3	62.3	63.0	63.3	63.4	63.6	63.8	63.8	64.1	64.2	64.3	64.5	64.5
GE	800	2.1	64.2	65.1	65.8	66.1	66.2	66.4	66.7	66.7	66.9	67.0	67.1	67.3	67.3
GE	700	2.1	66.2	67.2	67.9	68.2	68.3	68.5	68.7	68.7	69.0	69.1	69.2	69.4	69.4
GE	600	2.1	67.8	68.7	69.4	69.7	69.8	70.0	70.3	70.3	70.5	70.6	70.7	70.9	70.9
GE	500	2.1	69.5	70.5	71.1	71.5	71.6	71.8	72.0	72.0	72.2	72.3	72.4	72.7	72.7
GE	450	2.1	70.3	71.2	71.9	72.2	72.3	72.5	72.8	72.8	73.0	73.1	73.2	73.4	73.4
GE	400	2.1	71.9	72.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.7	74.8	75.1	75.1
GE	350	2.1	72.8	73.9	74.5	74.8	74.9	75.2	75.4	75.4	75.6	75.7	75.8	76.0	76.0
GE	300	2.1	75.6	76.8	77.5	77.8	78.0	78.2	78.4	78.4	78.6	78.8	78.9	79.1	79.1
GE	250	2.1	77.3	78.6	79.3	79.7	80.0	80.2	80.4	80.4	80.6	80.7	80.8	81.0	81.0
GE	200	2.1	79.2	80.5	81.4	82.0	82.2	82.5	82.7	82.7	82.9	83.0	83.1	83.3	83.3
GE	180	2.1	79.5	80.8	81.7	82.4	82.6	82.8	83.0	83.0	83.2	83.3	83.4	83.7	83.7
GE	150	2.1	81.8	83.1	84.1	85.0	85.2	85.4	85.6	85.6	85.8	85.9	86.1	86.3	86.3
GE	120	2.1	81.9	83.2	84.2	85.1	85.3	85.6	85.9	85.9	86.2	86.3	86.4	86.6	86.6
GE	100	2.1	82.9	84.2	85.2	86.2	86.4	86.7	87.0	87.0	87.3	87.4	87.5	87.7	87.7
GE	90	2.1	83.6	85.0	85.9	87.0	87.3	87.6	87.9	87.9	88.1	88.2	88.3	88.6	88.6
GE	80	2.1	84.3	85.8	86.8	88.0	88.2	88.6	88.9	88.9	89.1	89.2	89.3	89.5	89.5
GE	70														

TOTAL NUMBER OF OBSERVATIONS: 918





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS: 1100

CEILING		VISIBILITY IN STATUTE MILES																U			
IN	FEET	1	1C	GE	6	5	4	3	2	1 1/2	GE	1 1/2	1	3/4	5/8	1/2	5/16	1/4	1/4	1/4	U
NO	CEIL	1.1	46.4	48.6	49.5	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2
GE	20000	1.1	52.1	54.3	55.2	55.7	55.7	55.7	55.7	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3
GE	18000	1.1	52.5	54.8	55.6	56.2	56.2	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7
GE	16000	1.1	52.5	54.8	55.6	56.2	56.2	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7
GE	14000	1.1	53.2	55.6	56.5	57.0	57.0	57.0	57.0	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6
GE	12000	1.1	53.9	56.6	57.5	58.0	58.0	58.0	58.0	58.2	58.3	58.3	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5
GE	10000	1.3	57.0	60.8	61.9	62.6	62.6	62.6	62.6	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1
GE	9000	1.3	57.0	60.8	61.9	62.6	62.6	62.6	62.6	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1
GE	8000	1.3	59.7	63.9	65.0	65.9	65.9	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.3	66.3	66.5	66.5	66.5	66.5	66.5
GE	7000	1.3	60.6	65.0	66.5	67.4	67.4	67.4	67.4	67.7	67.9	67.9	67.9	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1
GE	6000	1.3	62.3	66.6	68.1	69.3	69.3	69.3	69.3	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9
GE	5000	1.3	65.2	69.5	71.1	72.5	72.5	72.5	72.5	72.8	72.9	72.9	72.9	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.2
GE	4500	1.3	65.9	70.2	71.9	73.3	73.3	73.3	73.3	73.6	73.7	73.7	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9
GE	4000	1.3	66.9	71.3	73.1	74.6	74.6	74.6	74.6	75.2	75.3	75.3	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5
GE	3500	1.3	67.3	71.8	73.5	75.0	75.0	75.0	75.0	75.6	75.8	75.8	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0
GE	3000	1.3	69.0	73.6	75.3	76.9	76.9	76.9	76.9	77.6	77.7	77.7	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9
GE	2500	1.3	70.3	75.0	77.1	78.8	78.8	78.8	78.8	79.5	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9
GE	2000	1.3	70.7	75.4	77.6	79.5	79.5	79.5	79.5	80.5	80.6	80.6	80.6	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8
GE	1500	1.3	72.1	77.1	79.3	81.3	81.3	81.3	81.3	82.5	82.6	82.6	82.6	82.7	82.8	82.8	83.1	83.1	83.1	83.1	83.1
GE	1200	1.3	72.9	78.1	80.5	82.7	82.7	82.7	82.7	84.0	84.1	84.2	84.2	84.2	84.3	84.4	84.6	84.6	84.6	84.6	84.6
GE	1000	1.3	73.4	78.6	81.2	83.4	83.4	83.4	83.4	84.7	85.0	85.1	85.1	85.1	85.2	85.3	85.5	85.5	85.5	85.5	85.5
GE	900	1.3	73.5	78.9	81.5	83.8	83.8	83.8	83.8	85.3	85.5	85.6	85.6	85.6	85.7	85.9	86.1	86.1	86.1	86.1	86.1
GE	800	1.3	74.0	79.7	82.5	85.0	85.0	85.0	85.0	86.6	87.1	87.2	87.2	87.3	87.4	87.6	87.8	87.8	87.8	87.8	87.8
GE	700	1.3	74.1	80.0	83.0	85.6	85.6	85.6	85.6	87.6	88.5	88.9	89.0	89.0	89.1	89.2	89.4	89.4	89.4	89.4	89.4
GE	600	1.3	74.2	80.3	83.9	86.6	86.6	86.6	86.6	89.1	90.4	90.8	90.9	90.9	91.0	91.1	91.3	91.6	91.6	91.6	91.6
GE	500	1.3	74.4	80.4	84.3	87.4	87.4	87.4	87.4	90.9	92.9	93.5	94.2	94.4	94.5	94.7	95.0	95.2	95.2	95.2	95.2
GE	400	1.3	74.4	80.4	84.3	87.8	87.8	87.8	87.8	91.3	93.4	94.2	95.2	95.5	95.7	96.0	96.3	96.5	96.5	96.5	96.5
GE	300	1.3	74.4	80.4	84.3	87.8	87.8	87.8	87.8	91.9	94.3	95.1	96.5	96.9	97.1	97.4	97.8	98.1	98.2	98.2	98.2
GE	200	1.3	74.4	80.4	84.3	87.8	87.8	87.8	87.8	92.0	94.4	95.7	97.2	97.6	97.8	98.5	99.0	99.6	99.6	99.6	99.6
GE	100	1.3	74.4	80.4	84.3	87.8	87.8	87.8	87.8	92.0	94.4	95.7	97.2	97.6	97.8	98.5	99.0	99.7	99.7	99.7	99.7
GE	01	1.3	74.4	80.4	84.3	87.8	87.8	87.8	87.8	92.0	94.4	95.7	97.2	97.6	97.8	98.5	99.0	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 924



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 146930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS/ST: 1200-1400

		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY			
		1		1 1/2		2		3		4		5		6		7		8		9	
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GE	2000	56.3	56.8	57.1	57.4	57.1	57.4	57.1	57.4	57.1	57.4	57.1	57.4	57.1	57.4	57.1	57.4	57.1	57.4	57.1	57.4
GE	1800	56.5	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE	1600	56.5	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE	1400	57.4	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE	1200	59.1	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE	1000	63.4	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE	900	63.4	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE	800	66.6	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE	700	67.9	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE	600	68.3	69.6	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE	500	71.4	72.8	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE	400	72.5	73.9	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE	300	73.7	75.1	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE	200	74.2	75.9	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE	100	76.0	77.8	78.9	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE	2500	77.6	79.9	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE	2000	77.9	80.3	81.5	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	1800	78.0	80.5	81.7	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE	1600	78.8	81.5	82.8	83.1	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE	1400	79.8	83.1	84.6	85.0	85.2	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE	1200	80.1	83.8	85.7	86.5	86.7	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE	1000	80.2	84.1	86.0	86.8	87.1	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE	900	80.4	84.6	87.0	88.1	88.5	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE	800	80.5	85.0	87.6	89.2	89.6	90.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE	700	80.5	85.4	88.2	90.5	91.1	92.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE	600	80.5	85.4	88.2	90.5	91.1	92.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE	500	80.6	85.5	88.4	90.8	92.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE	400	80.6	85.6	88.7	91.5	92.6	94.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE	300	80.6	85.6	89.0	91.7	92.9	94.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	200	80.6	85.6	89.0	91.7	92.9	94.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	100	80.6	85.6	89.0	91.7	92.9	94.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	0	80.6	85.6	89.0	91.7	92.9	94.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN FEET		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
		1	2	3	4	5	6	10	1	2	3	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	1/8	U
NO CEIL	1	2.9	51.4	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 20000	3.0	58.3	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	3.0	58.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	3.0	58.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	3.0	59.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 12000	3.0	61.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	3.0	64.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 9000	3.0	65.0	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 8000	3.0	67.7	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 7000	3.0	68.9	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 6000	3.0	69.9	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 5000	3.0	72.0	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	3.0	72.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 4000	3.0	74.4	76.7	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3500	3.1	75.5	77.9	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 3000	3.1	77.9	80.5	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	3.1	78.9	81.8	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 2000	3.1	79.9	83.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1800	3.1	79.9	83.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1500	3.1	80.1	83.8	84.8	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1200	3.1	80.5	84.2	85.4	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1000	3.1	80.6	84.4	85.9	86.3	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 900	3.1	80.8	84.7	86.6	86.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 800	3.1	81.1	85.7	87.9	88.0	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 700	3.1	81.1	86.0	89.1	90.8	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 600	3.1	81.2	86.1	89.5	91.5	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 500	3.1	81.2	86.4	91.2	92.3	93.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 400	3.1	81.3	86.5	91.3	92.4	93.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 300	3.1	81.3	86.5	91.3	92.4	93.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 200	3.1	81.3	86.5	91.3	92.4	93.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 100	3.1	81.3	86.5	91.3	92.4	93.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 0	3.1	81.3	86.5	91.3	92.4	93.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JAN HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES																U			
IN	FEET	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1	3/4	5/8	1/2	5/16	GE	U
NO	CEIL	1	1.9	54.8	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE	2000	2.1	59.0	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE	1800	2.1	59.6	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE	1600	2.1	59.7	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE	1400	2.1	60.6	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE	1200	2.1	62.1	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE	1000	2.4	64.5	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE	900	2.4	64.6	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE	800	2.4	67.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE	700	2.4	68.6	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE	600	2.4	70.2	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE	500	2.4	72.8	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE	400	2.4	74.0	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE	300	2.4	75.8	76.8	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE	200	2.4	77.2	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE	100	2.4	79.5	80.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	2500	2.4	80.8	82.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE	2000	2.4	81.9	83.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	1800	2.4	81.9	83.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	1600	2.4	82.5	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE	1400	2.4	82.5	84.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	1200	2.4	82.5	84.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	1000	2.4	83.0	84.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE	900	2.4	83.3	85.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE	800	2.4	84.3	86.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE	700	2.4	84.6	87.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE	600	2.4	84.8	87.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE	500	2.4	85.1	87.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE	400	2.4	85.3	87.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	300	2.4	85.3	87.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	200	2.4	85.3	87.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	100	2.4	85.3	87.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	01	2.4	85.3	87.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS: 924



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86										MONTH: JAN HOURS(IST): ALL									
CEILING										VISIBILITY IN STATUTE MILES																			
IN	1	GE	10	GE	6	GE	5	GE	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	GE	GE	GE	GE	GE	GE	GE	GE	U
FEET	1	GE	10	GE	6	GE	5	GE	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	GE	GE	GE	GE	GE	GE	GE	GE	U
NO CEIL	1	2.0	51.7	52.8	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 20000	1	2.0	56.2	57.3	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 18000	1	2.0	56.5	57.7	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 16000	1	2.0	56.6	57.7	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 14000	1	2.0	57.2	58.4	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 12000	1	2.0	58.5	59.8	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 10000	1	2.2	61.7	63.2	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	1	2.2	61.8	63.3	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 8000	1	2.2	64.3	65.9	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 7000	1	2.2	65.7	67.3	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 6000	1	2.2	66.6	68.4	69.2	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 5000	1	2.2	69.3	71.0	71.8	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	1	2.2	70.2	72.0	72.8	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	1	2.2	71.6	73.5	74.4	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3500	1	2.2	72.6	74.4	75.4	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3000	1	2.2	74.7	76.8	77.8	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 2500	1	2.2	76.0	78.2	79.3	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	1	2.2	77.1	79.5	80.7	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	1	2.2	77.2	79.7	80.9	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1500	1	2.2	78.4	81.0	82.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1200	1	2.2	79.0	81.8	83.2	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1000	1	2.2	79.5	82.4	84.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 900	1	2.2	79.9	83.0	84.6	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 800	1	2.2	80.5	83.8	85.7	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 700	1	2.2	80.8	84.3	86.4	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 600	1	2.2	80.9	84.6	86.9	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 500	1	2.2	81.1	84.9	87.5	90.2	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 400	1	2.2	81.1	85.0	87.7	90.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 300	1	2.2	81.1	85.0	87.7	90.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 200	1	2.2	81.1	85.0	87.7	90.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 100	1	2.2	81.1	85.0	87.7	90.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE	01	2.2	81.1	85.0	87.7	90.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS: 7378

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930

STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(IST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE			
IN		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET		10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	U				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
NO		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
GE 20000	1	9	56.7	56.9	57.4	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2				
GE 18000	1	9	61.3	61.6	62.0	62.5	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9				
GE 16000	1	9	61.3	61.6	62.0	62.5	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9				
GE 14000	1	9	62.2	62.4	62.9	63.3	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7				
GE 12000	1	9	62.9	63.1	63.7	64.2	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5				
GE 10000	1	9	64.9	65.1	65.7	66.2	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5				
GE 9000	1	9	65.1	65.4	66.0	66.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8				
GE 8000	1	1	68.4	68.7	69.5	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3				
GE 7000	1	1	70.2	70.5	71.3	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8				
GE 6000	1	1	70.9	71.2	72.0	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8				
GE 5000	1	1	73.5	73.8	74.6	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4				
GE 4500	1	1	74.6	74.9	75.7	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5				
GE 4000	1	1	75.6	75.9	76.7	77.5	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9				
GE 3500	1	1	76.6	77.1	77.9	78.6	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1				
GE 3000	1	1	79.4	80.3	81.3	82.1	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6				
GE 2500	1	1	80.2	81.1	82.1	82.9	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5				
GE 2000	1	1	80.9	82.2	83.5	84.5	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3				
GE 1500	1	1	81.3	82.6	83.9	84.8	85.2	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8				
GE 1200	1	1	81.7	83.0	84.3	85.3	85.6	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4				
GE 1000	1	1	82.0	83.4	84.8	85.8	86.1	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8				
GE 900	1	1	82.3	84.0	85.4	86.4	86.7	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4				
GE 800	1	1	82.8	84.6	86.0	87.0	87.3	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0				
GE 700	1	1	83.3	85.2	86.6	87.9	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0				
GE 600	1	1	84.0	85.9	87.5	89.4	89.8	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6				
GE 500	1	1	84.1	86.0	87.7	90.2	90.5	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5				
GE 400	1	1	84.1	86.1	87.9	90.4	90.7	91.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8				
GE 300	1	1	84.1	86.1	87.9	90.4	90.7	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4				
GE 200	1	1	84.2	86.2	88.0	90.6	91.0	92.4	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1				
GE 100	1	1	84.2	86.2	88.0	90.6	91.0	92.5	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2				
GE	1	1	84.2	86.2	88.0	90.6	91.0	92.5	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2				

TOTAL NUMBER OF OBSERVATIONS: 243

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR - FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: FEB HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4
NO CEL	1	9	52.3	53.1	54.2	54.7	54.7	55.2	55.3	55.3	55.3	55.5	55.5	55.9	56.1	56.1
GE 20000	9	57.5	58.5	59.5	59.5	60.1	60.1	60.6	60.7	60.7	60.7	61.0	61.0	61.3	61.6	61.6
GE 18000	9	57.7	58.6	59.7	59.7	60.3	60.3	60.7	60.9	60.9	60.9	61.1	61.1	61.4	61.7	61.7
GE 16000	9	57.7	58.6	59.7	59.7	60.3	60.3	60.7	60.9	60.9	60.9	61.1	61.1	61.4	61.7	61.7
GE 14000	9	58.5	59.5	60.6	60.6	61.2	61.2	61.7	61.8	61.8	61.8	62.0	62.0	62.4	62.6	62.6
GE 12000	9	59.3	60.4	61.4	61.4	62.0	62.0	62.5	62.6	62.6	62.6	62.9	62.9	63.2	63.5	63.5
GE 10000	9	1.9	63.0	64.1	64.1	64.7	64.7	65.1	65.2	65.2	65.2	65.5	65.5	65.8	66.1	66.1
GE 9000	9	9	63.0	64.1	64.1	64.7	64.7	65.1	65.2	65.2	65.2	65.5	65.5	65.8	66.1	66.1
GE 8000	9	8	66.9	68.2	68.9	68.9	69.9	69.9	70.3	70.5	70.5	70.7	70.7	71.1	71.3	71.3
GE 7000	9	66.7	67.9	69.2	69.2	69.9	69.9	70.3	70.5	70.5	70.5	70.7	70.7	71.1	71.3	71.3
GE 6000	9	67.1	68.3	69.6	69.6	70.3	70.3	70.8	70.9	70.9	70.9	71.2	71.2	71.5	71.8	71.8
GE 5000	9	69.3	70.5	71.8	71.8	72.5	72.5	73.0	73.1	73.1	73.1	73.3	73.3	73.7	73.9	73.9
GE 4500	9	71.4	72.6	73.9	73.9	74.6	74.6	75.1	75.2	75.2	75.2	75.4	75.4	75.8	76.0	76.0
GE 4000	9	72.0	73.2	74.5	74.5	75.3	75.3	75.9	76.2	76.2	76.2	76.4	76.4	76.7	77.0	77.0
GE 3500	9	72.6	74.0	75.3	75.3	76.2	76.2	76.7	77.0	77.0	77.0	77.2	77.2	77.6	77.8	77.8
GE 3000	9	74.9	76.2	77.6	77.6	78.5	78.5	79.4	79.6	79.6	79.6	79.8	79.8	80.2	80.4	80.4
GE 2500	9	76.3	77.9	79.4	79.4	80.4	80.4	81.3	81.5	81.5	81.5	81.9	81.9	82.2	82.4	82.4
GE 2000	9	76.9	78.6	80.3	80.3	81.4	81.4	82.2	82.4	82.4	82.4	82.8	82.8	83.2	83.4	83.4
GE 1800	9	77.1	79.0	80.7	80.7	81.7	81.7	82.6	82.8	82.8	82.8	83.2	83.2	83.5	83.7	83.7
GE 1500	9	77.8	79.6	81.6	81.6	82.6	82.6	83.6	83.9	83.9	83.9	84.2	84.2	84.6	84.8	84.8
GE 1200	9	78.2	80.2	82.0	82.0	83.2	83.2	84.3	84.6	84.6	84.6	84.9	84.9	85.3	85.5	85.5
GE 1000	9	78.4	80.4	82.2	82.2	83.4	83.4	84.7	84.9	84.9	84.9	85.1	85.1	85.6	85.9	85.9
GE 500	9	78.5	80.5	82.3	82.3	83.6	83.6	84.9	85.2	85.2	85.2	85.5	85.5	85.9	86.1	86.1
GE 800	9	78.6	80.8	82.6	82.6	84.0	84.0	85.4	85.6	85.6	85.6	86.0	86.0	86.4	86.6	86.6
GE 700	9	79.0	81.1	82.9	82.9	84.6	84.6	86.1	86.6	86.6	86.6	87.1	87.1	87.7	88.1	88.1
GE 600	9	79.5	81.7	83.5	83.5	85.6	85.6	87.3	87.5	87.5	87.5	88.3	88.3	88.6	89.1	89.1
GE 500	9	79.7	82.1	83.9	83.9	86.4	86.4	88.3	88.5	88.5	88.5	89.6	89.6	90.0	90.5	90.7
GE 400	9	79.7	82.2	84.2	84.2	87.3	87.3	90.0	90.9	91.2	91.9	92.2	92.2	92.8	93.0	93.6
GE 300	9	79.7	82.2	84.2	84.2	87.3	87.3	90.5	91.5	91.9	93.1	93.4	93.4	94.7	95.1	95.6
GE 200	9	79.7	82.2	84.2	84.2	87.3	87.3	90.6	91.8	92.5	94.0	94.4	94.4	95.6	96.3	97.3
GE 100	9	79.7	82.2	84.2	84.2	87.3	87.3	90.6	91.8	92.5	94.1	94.5	94.5	96.0	97.4	99.5
GE 0	9	79.7	82.2	84.2	84.2	87.3	87.3	90.6	91.8	92.5	94.1	94.5	94.5	96.0	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS: P43

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(1ST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES																GE			
IN FEET	I	GE		GE		GE		GE		GE		GE		GE		GE		GE		GE	
		10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0				
NO CEIL	I	4	43.9	46.0	48.0	49.1	49.3	49.7	50.2	50.2	50.2	50.7	50.7	50.7	50.9	51.2	51.2	51.2	51.2	51.5	
GE 20000	I	4	48.8	51.1	53.1	54.3	54.6	55.2	55.6	55.6	55.6	56.1	56.1	56.1	56.3	56.8	56.8	56.8	56.8	57.1	
GE 18000	I	4	48.6	51.1	53.1	54.3	54.6	55.2	55.6	55.6	55.6	56.1	56.1	56.1	56.3	56.8	56.8	56.8	56.8	57.1	
GE 16000	I	4	48.8	51.1	53.1	54.3	54.6	55.2	55.6	55.6	55.6	56.1	56.1	56.1	56.3	56.8	56.8	56.8	56.8	57.1	
GE 14000	I	4	49.0	51.7	53.7	54.9	55.2	55.8	56.2	56.2	56.2	56.7	56.7	56.7	56.9	57.4	57.4	57.4	57.4	57.7	
GE 12000	I	4	50.5	53.3	55.3	56.6	56.8	57.4	57.9	57.9	57.9	58.4	58.4	58.4	58.6	59.1	59.1	59.1	59.1	59.3	
GE 10000	I	4	54.7	58.0	60.1	61.6	61.8	62.5	63.0	63.0	63.0	63.5	63.5	63.5	63.7	64.2	64.2	64.2	64.2	64.4	
GE 9000	I	4	54.7	58.0	60.1	61.6	61.8	62.5	63.0	63.0	63.0	63.5	63.5	63.5	63.7	64.2	64.2	64.2	64.2	64.4	
GE 8000	I	4	56.9	60.3	62.5	63.9	64.2	65.1	65.7	65.7	65.7	66.2	66.2	66.2	66.4	66.9	66.9	66.9	66.9	67.1	
GE 7000	I	4	57.2	60.6	62.9	64.5	64.8	65.7	66.3	66.3	66.3	66.8	66.8	66.8	67.0	67.5	67.5	67.5	67.5	67.7	
GE 6000	I	4	58.5	61.9	64.2	65.8	66.1	67.0	67.6	67.6	67.6	68.1	68.1	68.1	68.3	68.8	68.8	68.8	68.8	69.0	
GE 5000	I	4	60.6	64.2	66.5	68.2	68.4	69.4	70.0	70.0	70.0	70.5	70.5	70.5	70.7	71.2	71.2	71.2	71.2	71.4	
GE 4500	I	4	62.6	66.3	68.8	70.5	70.7	71.6	72.2	72.2	72.2	72.7	72.7	72.7	73.0	73.4	73.4	73.4	73.4	73.7	
GE 4000	I	4	64.4	68.2	70.8	72.8	73.1	74.0	74.6	74.6	74.6	75.1	75.1	75.1	75.3	75.8	75.8	75.8	75.8	76.0	
GE 3500	I	4	65.1	69.0	71.6	73.7	73.9	74.9	75.4	75.4	75.4	75.9	75.9	75.9	76.2	76.6	76.6	76.6	76.6	76.9	
GE 3000	I	4	66.4	70.5	73.3	75.4	75.8	76.7	77.3	77.3	77.3	77.8	77.8	77.8	78.1	78.5	78.5	78.5	78.5	78.8	
GE 2500	I	4	67.6	71.6	74.5	76.7	77.1	78.1	78.8	78.8	78.8	79.2	79.2	79.2	79.5	80.0	80.0	80.0	80.0	80.2	
GE 2000	I	4	68.1	72.1	75.0	77.6	77.9	78.9	79.6	79.6	79.6	80.1	80.1	80.1	80.3	80.8	80.8	80.8	80.8	81.0	
GE 1800	I	4	68.2	72.2	75.2	77.8	78.2	79.1	79.8	79.8	79.8	80.3	80.3	80.3	80.5	81.0	81.0	81.0	81.0	81.3	
GE 1500	I	4	69.2	73.2	76.4	79.1	79.5	80.4	81.1	81.1	81.1	81.6	81.6	81.6	81.9	82.3	82.3	82.3	82.3	82.6	
GE 1200	I	4	69.6	73.7	77.0	79.7	80.1	81.0	81.7	81.7	81.7	82.3	82.3	82.3	82.6	83.0	83.0	83.0	83.0	83.3	
GE 1000	I	4	69.9	73.9	77.3	80.3	80.8	81.7	82.4	82.4	82.4	83.0	83.0	83.0	83.3	83.7	83.7	83.7	83.7	84.0	
GE 900	I	4	69.9	73.9	77.5	80.4	80.9	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.4	83.9	83.9	83.9	83.9	84.1	
GE 800	I	4	70.2	74.3	78.5	81.6	82.3	83.3	84.1	84.1	84.1	84.8	84.8	84.8	85.1	85.5	85.5	85.5	85.5	85.8	
GE 700	I	4	70.7	75.2	79.8	83.7	84.5	85.5	86.5	86.5	86.5	87.2	87.2	87.2	87.5	88.0	88.0	88.0	88.0	88.3	
GE 600	I	4	70.7	75.3	80.0	84.2	85.2	86.5	87.5	87.5	87.5	88.4	88.4	88.4	89.2	89.7	89.7	89.7	89.7	89.9	
GE 500	I	4	70.9	75.6	80.3	84.6	85.6	87.2	88.4	88.4	88.4	89.3	89.8	90.2	90.6	91.1	91.1	91.1	91.1	91.5	
GE 400	I	4	70.9	75.7	80.4	85.1	86.1	88.3	89.8	89.8	89.8	90.7	91.2	91.6	92.1	92.5	92.5	92.5	92.5	92.9	
GE 300	I	4	70.9	75.7	80.4	85.1	86.1	88.8	90.6	90.6	90.6	92.1	92.8	93.1	94.1	94.7	94.7	94.7	94.7	95.7	
GE 200	I	4	70.9	75.7	80.4	85.1	86.1	88.8	90.6	90.6	90.6	92.8	93.7	94.2	95.3	96.2	96.2	96.2	96.2	97.9	
GE 100	I	4	70.9	75.7	80.4	85.1	86.1	88.8	90.6	90.6	90.6	92.9	93.8	94.3	95.4	97.0	97.0	97.0	97.0	99.3	
GE 01	I	4	70.9	75.7	80.4	85.1	86.1	88.8	90.6	90.6	90.6	92.9	93.8	94.3	95.4	97.0	97.0	97.0	97.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 843



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(IST): 0900-1100

CEILINGS		VISIBILITY IN STATUTE MILES															
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	.4	41.9	45.1	46.1	47.0	47.4	47.4	47.6	47.9	48.0	48.0	48.0	48.0	48.2	48.2	48.3
GE 20000	.4		47.0	50.3	51.7	52.7	53.1	53.1	53.5	53.6	53.9	53.9	53.9	53.9	54.0	54.0	54.1
GE 18000	.4		47.2	50.5	52.0	52.9	53.4	53.4	53.7	53.9	54.1	54.1	54.1	54.1	54.2	54.2	54.3
GE 16000	.4		47.2	50.5	52.0	52.9	53.4	53.4	53.7	53.9	54.1	54.1	54.1	54.1	54.2	54.2	54.3
GE 14000	.4		47.4	51.0	52.4	53.4	53.9	53.9	54.2	54.3	54.6	54.6	54.6	54.6	54.7	54.7	54.8
GE 12000	.4		49.5	53.3	54.7	55.6	56.1	56.1	56.5	56.6	56.8	56.8	56.8	56.8	56.9	56.9	57.1
GE 10000	.4		53.9	58.1	59.8	60.7	61.2	61.3	61.7	61.8	62.0	62.0	62.0	62.0	62.2	62.2	62.3
GE 9000	.4		53.9	58.1	59.8	60.7	61.2	61.3	61.7	61.8	62.0	62.0	62.0	62.0	62.2	62.2	62.3
GE 8000	.4		56.3	61.2	63.1	64.2	64.7	64.8	65.1	65.2	65.5	65.5	65.5	65.5	65.6	65.6	65.7
GE 7000	.4		57.3	62.2	64.2	65.2	65.7	65.8	66.2	66.3	66.5	66.5	66.5	66.5	66.7	66.7	66.8
GE 6000	.4		58.1	63.1	65.1	66.2	66.7	66.8	67.1	67.3	67.5	67.5	67.5	67.5	67.6	67.6	67.7
GE 5000	.4		61.3	66.9	69.4	70.5	70.9	71.2	71.5	71.6	71.9	71.9	71.9	71.9	72.0	72.0	72.1
GE 4500	.4		61.8	67.6	70.1	71.2	71.6	71.9	72.4	72.5	72.7	72.7	72.7	72.7	72.8	72.8	73.0
GE 4000	.4		62.8	68.6	71.1	72.2	72.7	73.4	73.9	74.0	74.3	74.3	74.3	74.3	74.4	74.4	74.5
GE 3500	.4		63.3	69.4	72.0	73.4	74.0	74.9	75.3	75.4	75.7	75.7	75.7	75.7	75.8	75.8	75.9
GE 3000	.4		64.4	70.6	73.4	74.9	75.6	76.4	76.9	77.0	77.2	77.2	77.2	77.2	77.5	77.5	77.6
GE 2500	.4		65.2	71.5	74.5	75.9	76.6	77.5	77.9	78.1	78.3	78.3	78.3	78.3	78.5	78.5	78.8
GE 2000	.4		65.7	72.1	75.1	76.6	77.3	78.3	78.9	79.0	79.2	79.2	79.2	79.2	79.5	79.5	79.7
GE 1800	.4		66.0	72.4	75.3	77.0	77.7	78.6	79.2	79.4	79.6	79.6	79.6	79.6	79.8	79.8	80.1
GE 1500	.4		67.0	73.4	76.5	78.6	79.4	80.4	81.1	81.3	81.6	81.6	81.6	81.6	81.9	81.9	82.1
GE 1200	.4		68.1	74.5	77.7	79.8	80.5	81.6	82.3	82.4	82.8	82.8	82.8	82.8	83.0	83.0	83.3
GE 1000	.4		68.2	74.6	77.9	80.5	81.4	82.4	83.2	83.3	83.6	83.6	83.6	83.6	83.9	83.9	84.1
GE 900	.4		68.4	75.0	78.5	81.1	82.2	83.4	84.1	84.2	84.6	84.6	84.6	84.6	85.1	85.1	85.3
GE 800	.4		68.8	75.9	79.7	82.8	84.1	85.4	86.4	86.6	87.1	87.1	87.1	87.1	87.7	87.7	87.9
GE 700	.4		69.0	76.4	80.9	84.8	86.2	87.7	88.8	89.1	89.6	89.6	89.6	89.6	90.2	90.2	90.4
GE 600	.4		69.0	76.5	81.3	85.4	86.8	88.6	89.8	90.0	90.5	90.5	90.5	90.5	91.3	91.3	91.6
GE 500	.4		69.0	76.5	81.4	85.9	87.5	89.4	90.7	91.0	91.6	91.6	91.6	91.6	92.5	92.5	92.8
GE 400	.4		69.0	76.5	81.4	86.0	87.7	90.2	91.7	92.2	92.9	92.9	92.9	92.9	94.0	94.0	94.2
GE 300	.4		69.2	76.6	81.5	86.2	87.9	90.6	92.9	93.7	94.9	94.9	94.9	94.9	96.2	96.2	96.7
GE 200	.4		69.2	76.6	81.5	86.2	87.9	90.6	92.9	94.0	95.1	95.1	95.1	95.1	97.9	97.9	98.8
GE 100	.4		69.2	76.6	81.5	86.2	87.9	90.6	92.9	94.0	95.1	95.1	95.1	95.1	98.5	98.5	99.9
GE 01	.4		69.2	76.6	81.5	86.2	87.9	90.6	92.9	94.0	95.1	95.1	95.1	95.1	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 543

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMRLR: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(LST): 1200-1400

VISIBILITY IN STATUTE MILES									
CEILING IN FEET	1	GE	2	3	4	5	6	7	8
	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6
NO CEIL	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 2000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 1800	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 1600	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 1400	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 1200	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 1000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 900	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 800	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 700	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 600	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 500	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 450	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 400	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 350	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 300	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 250	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 200	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 180	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 160	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 140	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 120	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 100	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 90	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 80	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 70	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 60	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 50	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 40	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 30	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(UT): 1500-1700

CEILING IN FEET		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4				
NO CEIL	1.2	48.6	49.1	49.4	49.5	49.5	49.5	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 20000	1.2	58.3	58.6	59.1	59.4	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	1.2	58.8	59.2	59.6	59.8	59.8	59.8	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	1.2	59.1	59.6	60.0	60.2	60.2	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 14000	1.2	60.8	61.3	61.6	61.8	61.8	61.8	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 12000	1.2	62.2	62.7	63.0	63.3	63.3	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 10000	1.4	64.9	65.4	65.8	66.0	66.0	66.0	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 9000	1.4	65.0	65.5	65.9	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 8000	1.4	67.5	68.5	69.1	69.3	69.3	69.3	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 7000	1.4	68.7	69.7	70.3	70.5	70.5	70.5	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 6000	1.4	69.4	70.4	71.1	71.3	71.3	71.3	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 5000	1.7	71.7	72.7	73.5	73.8	73.8	73.8	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4500	1.7	72.3	73.5	74.4	74.8	74.8	74.8	74.8	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4000	1.7	75.1	76.4	77.6	78.0	78.0	78.0	78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	1.7	76.9	78.2	79.6	80.0	80.0	80.0	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3000	1.7	79.7	81.3	83.1	83.6	83.6	83.6	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2500	1.7	81.5	83.2	85.1	85.9	85.9	85.9	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2000	1.7	82.3	84.2	86.1	87.2	87.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1800	1.7	82.6	84.5	86.4	87.4	87.4	87.4	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1500	1.7	83.4	85.5	87.8	89.2	89.2	89.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1200	1.7	84.1	86.3	88.7	90.2	90.2	90.2	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1000	1.7	85.1	87.3	89.8	91.2	91.2	91.2	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 900	1.7	85.1	87.4	90.3	92.1	92.1	92.1	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 800	1.7	85.4	87.8	91.6	93.6	93.6	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	1.7	85.4	87.9	91.8	93.8	93.8	93.8	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 600	1.7	85.4	87.9	91.8	93.8	93.8	93.8	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 500	1.7	85.8	88.3	91.5	93.7	93.7	93.7	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 400	1.7	85.8	88.3	91.6	94.0	94.0	94.0	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 300	1.7	85.8	88.3	91.6	94.1	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 200	1.7	85.8	88.3	91.6	94.1	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 100	1.7	85.8	88.3	91.6	94.1	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE	1.7	85.6	88.3	91.6	94.1	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE	1.7	85.6	88.3	91.6	94.1	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES												PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY											
IN FEET	10	1.4	1.8	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5
NO CEIL	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
GE 2000	1.4	59.0	59.4	59.9	60.4	60.9	61.4	61.9	62.4	62.9	63.4	63.9	64.4	64.9	65.4	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4
GE 1800	1.4	59.0	59.4	59.9	60.4	60.9	61.4	61.9	62.4	62.9	63.4	63.9	64.4	64.9	65.4	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4
GE 1600	1.4	59.1	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5
GE 1400	1.4	60.0	60.6	61.1	61.6	62.1	62.6	63.1	63.6	64.1	64.6	65.1	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.1	71.6
GE 1200	1.4	61.4	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0
GE 1000	1.5	66.2	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0
GE 900	1.5	66.2	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0
GE 800	1.8	68.6	69.6	70.2	70.7	71.2	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7	77.2	77.7	78.2	78.7	79.2	79.7	80.2	80.7
GE 700	1.8	70.0	70.9	71.5	72.1	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7	77.2	77.7	78.2	78.7	79.2	79.7	80.2	80.7	81.2	81.7	82.2
GE 600	1.9	70.6	71.5	72.1	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7	77.2	77.7	78.2	78.7	79.2	79.7	80.2	80.7	81.2	81.7	82.2	82.7
GE 500	1.8	73.0	73.9	74.5	75.2	75.7	76.2	76.7	77.2	77.7	78.2	78.7	79.2	79.7	80.2	80.7	81.2	81.7	82.2	82.7	83.2	83.7	84.2	84.7	85.2
GE 400	1.8	74.1	75.6	76.2	76.9	77.5	78.1	78.7	79.3	79.9	80.5	81.1	81.7	82.3	82.9	83.5	84.1	84.7	85.3	85.9	86.5	87.1	87.7	88.3	88.9
GE 300	1.8	78.9	80.5	81.3	82.1	82.9	83.7	84.5	85.3	86.1	86.9	87.7	88.5	89.3	90.1	90.9	91.7	92.5	93.3	94.1	94.9	95.7	96.5	97.3	98.1
GE 200	1.8	80.9	82.6	83.5	84.6	85.7	86.7	87.8	88.9	90.0	91.1	92.2	93.3	94.4	95.5	96.6	97.7	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1.8	82.3	84.2	85.4	86.5	87.6	88.7	89.8	90.9	92.0	93.1	94.2	95.3	96.4	97.5	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	1.8	82.6	85.1	86.5	87.7	88.8	89.9	91.0	92.1	93.2	94.3	95.4	96.5	97.6	98.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	1.8	84.7	87.2	88.7	90.4	92.1	93.8	95.5	97.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	1.8	84.9	87.4	89.0	90.6	92.3	93.9	95.6	97.3	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5	1.8	85.1	87.5	89.1	90.7	92.3	93.9	95.5	97.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2	1.8	85.8	88.3	89.9	91.5	93.1	94.7	96.3	97.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1	1.8	86.1	88.6	90.2	91.8	93.4	95.0	96.6	98.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1.8	86.1	88.6	90.2	91.8	93.4	95.0	96.6	98.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1.8	86.1	88.6	90.2	91.8	93.4	95.0	96.6	98.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 943

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(LST): 2100-2300

CEILING IN FEET		VISIBILITY IN STATUTE MILES										PERIOD OF RECORD: 77-86									
		1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NO	CEIL	1.7	57.5	57.8	58.6	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE	2000	1.7	60.6	60.9	61.8	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE	1800	1.7	60.6	60.9	61.8	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE	1600	1.7	60.6	60.9	61.8	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE	1400	1.7	61.1	61.3	62.4	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE	1200	1.7	61.6	61.8	62.9	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE	1000	1.7	64.4	64.7	65.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE	900	1.7	64.5	64.8	65.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE	800	2.0	68.8	69.2	70.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE	700	2.0	70.1	70.5	71.8	72.8	72.8	72.8	72.8	73.0	73.0	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE	600	2.0	71.6	72.1	73.4	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE	500	2.0	74.4	74.9	76.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE	450	2.0	75.6	76.0	77.3	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE	400	2.0	76.9	77.9	79.4	80.4	80.4	80.4	80.4	80.7	80.7	80.7	80.7	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE	350	2.0	77.7	78.8	80.2	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	300	2.0	79.7	80.8	82.2	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	250	2.0	80.4	81.6	83.3	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE	200	2.0	81.1	82.4	84.2	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE	180	2.0	82.0	83.3	85.1	86.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE	160	2.0	82.7	84.1	86.0	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE	140	2.0	83.2	84.6	86.7	88.6	88.6	88.6	88.6	89.2	89.2	89.2	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE	120	2.0	83.4	84.8	86.8	88.8	88.8	88.8	88.8	89.4	89.4	89.4	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	100	2.0	83.6	85.1	87.5	89.7	89.7	89.7	89.7	90.4	90.4	90.4	90.4	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE	80	2.0	84.5	86.1	88.5	90.6	90.6	90.6	90.6	91.5	91.5	91.5	91.5	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE	60	2.0	84.8	86.7	89.2	91.6	91.6	91.6	91.6	92.8	92.8	92.8	92.8	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE	40	2.0	85.2	87.3	89.8	92.3	92.3	92.3	92.3	94.0	94.0	94.0	94.0	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	20	2.0	85.2	87.3	89.8	92.3	92.3	92.3	92.3	94.0	94.0	94.0	94.0	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	10	2.0	85.2	87.3	89.8	92.3	92.3	92.3	92.3	94.0	94.0	94.0	94.0	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	5	2.0	85.2	87.3	89.8	92.3	92.3	92.3	92.3	94.0	94.0	94.0	94.0	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	1	2.0	85.2	87.3	89.8	92.3	92.3	92.3	92.3	94.0	94.0	94.0	94.0	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: FEB HOURS(LST): ALL

CEILING IN FEET		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GE	2000	1.0	61.7	63.2	64.2	64.8	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	1800	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	1600	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	1400	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	1200	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	1000	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	900	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	800	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	700	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	600	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	500	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	400	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	300	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	200	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	100	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	0	1.0	61.8	63.2	64.2	64.9	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4

TOTAL NUMBER OF OBSERVATIONS: 6745

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS(LST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE			
IN FEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CELL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	2000	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	1800	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	1600	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	1400	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	1200	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	1000	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	900	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	800	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	700	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	600	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	500	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	400	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	300	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	200	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	100	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
GE	0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
		1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	MONTH: MAR HOURS(LST): 0300-0500			
IN FEET	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
NO CEIL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
GE 20000	1.6	64.5	65.1	65.6	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2				
GE 18000	1.6	64.6	65.2	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3				
GE 16000	1.6	64.6	65.2	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3				
GE 14000	1.6	64.7	65.3	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5				
GE 12000	1.6	65.4	65.9	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1				
GE 10000	1.6	68.2	68.7	69.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0				
GE 9000	1.6	68.4	68.9	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2				
GE 8000	1.6	70.2	70.9	71.4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3				
GE 7000	1.6	71.2	71.8	72.4	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2				
GE 6000	1.6	71.3	71.9	72.5	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3				
GE 5000	1.6	75.3	75.9	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3				
GE 4000	1.6	77.0	77.6	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0				
GE 3500	1.6	78.6	79.4	79.9	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8				
GE 3000	1.6	80.5	81.4	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8				
GE 2500	1.6	81.1	82.0	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4				
GE 2000	1.6	82.5	83.0	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0				
GE 1800	1.6	82.0	82.9	83.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5				
GE 1500	1.6	82.9	84.0	84.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0				
GE 1200	1.6	83.4	84.5	85.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6				
GE 1000	1.6	84.0	85.1	86.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4				
GE 900	1.6	84.1	85.4	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7				
GE 800	1.6	84.3	85.8	87.2	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1				
GE 700	1.6	84.5	86.1	87.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9				
GE 600	1.6	84.7	86.6	88.2	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0				
GE 500	1.6	85.1	87.1	88.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9				
GE 400	1.6	85.4	87.4	89.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9				
GE 300	1.6	85.5	87.5	89.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1				
GE 200	1.6	85.5	87.5	89.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1				
GE 100	1.6	85.5	87.5	89.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1				
GE 01	1.6	85.5	87.5	89.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1				

TOTAL NUMBER OF OBSERVATIONS: 930





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS(LST): 0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS									
VISIBILITY IN STATUTE MILES									
CEILING IN FEET	1	2	3	4	5	6	10	1/2	1/4
NO CEIL	1-8	53-4	54-1	54-8	54-9	54-9	54-9	54-9	54-9
GE 20000	1-8	60-6	61-8	62-8	63-1	63-1	63-1	63-1	63-1
GE 18000	1-8	60-8	61-9	62-9	63-3	63-3	63-3	63-3	63-3
GE 16000	1-8	60-8	61-9	62-9	63-3	63-3	63-3	63-3	63-3
GE 14000	1-8	61-6	62-8	63-8	64-2	64-2	64-2	64-2	64-2
GE 12000	1-8	62-4	63-5	64-5	64-9	64-9	64-9	64-9	64-9
GE 10000	1-8	64-9	66-2	67-3	67-7	67-7	67-7	67-7	67-7
GE 9000	1-8	65-3	66-6	67-6	68-1	68-1	68-1	68-1	68-1
GE 8000	1-8	67-7	69-2	70-3	70-8	70-8	70-8	70-8	70-8
GE 7000	1-8	69-0	70-6	71-7	72-2	72-2	72-2	72-2	72-2
GE 6000	1-8	69-5	71-1	72-2	72-7	72-7	72-7	72-7	72-7
GE 5000	1-8	71-6	73-2	74-6	75-2	75-2	75-2	75-2	75-2
GE 4500	1-8	73-0	74-9	76-5	77-1	77-1	77-1	77-1	77-1
GE 4000	1-8	74-7	76-7	78-3	79-4	79-4	79-4	79-4	79-4
GE 3500	1-8	75-2	77-2	78-8	79-9	79-9	79-9	79-9	79-9
GE 3000	1-8	76-2	78-4	80-1	81-2	81-2	81-2	81-2	81-2
GE 2500	1-8	77-6	79-9	81-6	82-7	82-7	82-7	82-7	82-7
GE 2000	1-8	78-4	80-9	82-7	83-8	83-8	83-8	83-8	83-8
GE 1800	1-8	78-4	80-9	82-7	83-8	83-8	83-8	83-8	83-8
GE 1500	1-8	79-1	81-9	83-8	85-1	85-1	85-1	85-1	85-1
GE 1200	1-8	79-7	82-6	84-6	86-0	86-0	86-0	86-0	86-0
GE 1000	1-8	81-2	84-4	86-6	88-4	88-4	88-4	88-4	88-4
GE 900	1-8	81-4	84-6	86-8	88-9	88-9	88-9	88-9	88-9
GE 800	1-8	81-7	85-5	87-6	90-1	90-1	90-1	90-1	90-1
GE 700	1-8	82-4	86-5	88-8	91-4	91-4	91-4	91-4	91-4
GE 600	1-8	82-5	86-8	89-2	92-3	92-3	92-3	92-3	92-3
GE 500	1-8	82-6	87-2	90-3	93-4	93-4	93-4	93-4	93-4
GE 400	1-8	82-6	87-2	90-3	93-5	93-5	93-5	93-5	93-5
GE 300	1-8	82-6	87-2	90-4	93-9	93-9	93-9	93-9	93-9
GE 200	1-8	82-6	87-2	90-4	93-9	93-9	93-9	93-9	93-9
GE 100	1-8	82-6	87-2	90-4	93-9	93-9	93-9	93-9	93-9
GE 0	1-8	82-6	87-2	90-4	93-9	93-9	93-9	93-9	93-9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 146930 STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86									
										MONTH: MAR HOURS(LST): 1200-1400									
CEILING										VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	1	10	6	5	4	3	2	1 1/2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO	CEIL	1	2-6	56-8	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9	56-9
GE 20000	3-2	64-6	65-1	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2	65-2
GE 18000	3-2	64-7	65-2	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3	65-3
GE 16000	3-2	64-8	65-3	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4	65-4
GE 14000	3-3	65-7	66-1	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2	66-2
GE 12000	3-3	66-9	67-3	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4	67-4
GE 10000	3-3	68-5	68-9	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0	69-0
GE 9000	3-3	72-0	72-7	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9	72-9
GE 8000	3-3	73-2	74-0	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3	74-3
GE 6000	3-4	73-5	74-3	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7	74-7
GE 5000	3-4	75-6	76-2	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9	76-9
GE 4000	3-4	76-9	77-6	78-1	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2	78-2
GE 3000	3-4	79-7	80-5	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4	81-4
GE 2000	3-4	82-6	83-4	84-8	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9	84-9
GE 1500	3-4	83-7	85-7	86-7	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9	86-9
GE 1000	3-4	84-2	86-5	87-5	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8	87-8
GE 800	3-4	84-3	86-4	87-6	88-0	88-1	88-1	88-1	88-1	88-1	88-1	88-1	88-1	88-1	88-1	88-1	88-1	88-1	88-1
GE 600	3-4	85-2	87-6	88-8	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2	89-2
GE 400	3-4	85-8	88-6	89-8	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6	90-6
GE 300	3-4	86-1	89-4	90-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6	91-6
GE 200	3-4	86-5	89-6	91-1	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0	92-0
GE 150	3-4	87-1	90-8	92-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3	93-3
GE 100	3-4	87-3	91-1	93-2	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5	94-5
GE 80	3-5	87-5	91-6	94-0	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4	95-4
GE 60	3-5	87-5	91-7	94-3	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7	95-7
GE 40	3-5	87-6	91-8	94-3	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9
GE 30	3-5	87-6	91-8	94-3	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9
GE 20	3-5	87-6	91-8	94-3	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9
GE 10	3-5	87-6	91-8	94-3	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9
GE 0	3-5	87-6	91-8	94-3	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9	95-9

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMPLP: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS(IST): 18J0-2000

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
IN FEET		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	MONTH: MAR HOURS(IST): 18J0-2000			
1	10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0	0				
NO CLIL	3.2	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	56.1	56.1				
GE 20000	3.2	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9				
GE 18000	3.2	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1				
GE 16000	3.2	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1				
GE 14000	3.2	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7				
GE 12000	3.2	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2				
GE 10000	3.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8				
GE 9000	3.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8				
GE 8000	3.2	74.8	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4				
GE 7000	3.2	75.3	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8				
GE 6000	3.2	76.1	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7				
GE 5000	3.2	79.0	79.6	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2				
GE 4000	3.2	80.3	80.9	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8				
GE 3500	3.2	81.9	82.6	82.9	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7				
GE 3000	3.2	83.0	83.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7				
GE 2500	3.2	84.3	85.3	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8				
GE 2000	3.2	85.5	86.5	87.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1				
GE 1800	3.2	86.5	87.7	88.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5				
GE 1600	3.2	86.6	87.8	88.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6				
GE 1500	3.2	88.4	89.9	90.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6				
GE 1200	3.2	88.7	90.2	90.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0				
GE 1000	3.2	89.2	90.8	91.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7				
GE 900	3.2	89.9	91.4	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4				
GE 800	3.2	90.2	92.2	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5				
GE 700	3.2	90.3	92.4	93.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2				
GE 600	3.2	90.5	92.4	93.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2				
GE 500	3.2	90.4	92.7	93.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6				
GE 400	3.2	90.4	92.7	93.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6				
GE 300	3.2	90.4	92.7	93.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6				
GE 200	3.2	90.4	92.7	93.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6				
GE 100	3.2	90.4	92.7	93.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6				
GE	3.2	90.4	92.7	93.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6				

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR HOURS(LST): 2100-2300

CEILING IN FEET		VISIBILITY IN STATUTE MILES										GE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		1	2	3	4	5	6	7	8	9	10	1	1/2	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1	1/4	1/2	5/8	3/4	1

TOTAL NUMBER OF OBSERVATIONS: 950

1





GLOBAL C-130AIOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING STATUS VISIBILITY  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AFB/FT BRAGG NC

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(LS): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES										GE									
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
1000	1.8	64.0	64.0	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
900	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
800	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
700	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
600	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
500	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
400	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
300	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
200	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
100	1.8	68.3	69.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
01	2.2	91.2	92.8	94.9	96.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 600





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
		1		2		3		4		5		6		7		8		9		10	
		GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U
		1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4
		GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U	GE	U
NO CEIL	1	4.7	55.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	1	4.8	63.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 18000	1	4.8	64.2	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 16000	1	4.8	64.3	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 14000	1	4.8	65.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 12000	1	4.8	67.7	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 10000	1	4.8	70.4	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 9000	1	4.8	70.6	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 8000	1	4.8	72.3	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	1	4.8	73.9	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	1	5.0	73.1	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 5000	1	5.0	74.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4500	1	5.0	75.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	1	5.6	80.3	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3500	1	5.7	82.6	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3000	1	5.7	88.4	90.3	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 2500	1	5.7	89.4	91.4	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	1	5.7	90.9	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	1	5.7	91.0	93.1	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	1	5.7	92.3	94.4	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1200	1	6.0	93.4	95.6	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	1	6.0	93.7	95.8	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	1	6.0	93.7	95.8	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	1	6.0	94.0	96.1	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	1	6.0	94.2	96.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	1	6.0	94.2	96.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	1	6.0	94.2	96.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	1	6.0	94.3	96.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	1	6.0	94.3	96.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 200	1	6.0	94.3	96.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 100	1	6.0	94.3	96.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 0	1	6.0	94.3	96.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE			
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GE	20000	4.7	68.1	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE	18000	4.7	68.1	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE	16000	4.7	68.2	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE	14000	4.7	69.4	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE	12000	4.7	71.9	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE	10000	4.8	75.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE	9000	4.8	75.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE	8000	4.9	78.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE	7000	4.9	79.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE	6000	5.0	81.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE	5000	5.1	84.2	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE	4500	5.1	85.6	87.1	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE	4000	5.1	88.3	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE	3500	5.1	89.4	91.1	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE	3000	5.1	91.0	92.7	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE	2500	5.1	92.0	93.8	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE	2000	5.1	92.1	94.0	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE	1800	5.1	92.4	94.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	1500	5.1	92.6	94.4	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE	1200	5.1	92.8	94.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	1000	5.1	93.0	94.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE	900	5.1	93.0	94.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE	800	5.1	93.3	95.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	700	5.1	93.3	95.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	600	5.1	93.6	95.8	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	500	5.1	93.6	95.8	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	400	5.1	93.7	96.0	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	300	5.1	93.8	96.1	97.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	200	5.1	93.8	96.1	97.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	100	5.1	93.8	96.1	97.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	0	5.1	93.8	96.1	97.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86									
										MONTH: APR HOURS(UT): 2100-2300									
CEILING										VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4
FEET	10	GE	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	1	1/4	1/2	3/4	1	1/4
NO	CEIL	1	4.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 20000	4.3	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 18000	4.3	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 16000	4.3	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 14000	4.3	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 12000	4.3	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	4.9	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 9000	4.9	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 8000	4.9	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 7000	4.9	79.7	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 6000	4.9	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 5000	4.9	82.6	83.2	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4500	5.0	85.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	5.1	88.0	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3500	5.1	89.1	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3000	5.1	90.6	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2500	5.1	91.8	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000	5.1	93.1	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1800	5.1	93.2	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	5.1	93.6	94.3	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	5.1	93.9	94.7	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	5.1	94.1	95.0	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 900	5.1	94.1	95.0	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	5.1	94.2	95.2	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	5.1	94.4	95.4	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	5.1	94.6	95.7	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	5.1	94.7	96.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 400	5.1	94.7	96.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300	5.1	94.7	96.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 200	5.1	94.7	96.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 100	5.1	94.8	96.1	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE	01	94.8	96.1	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS: 900





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 740930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	I	GE														GF	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0		
NO CEIL	I	9	60.3	51.2	61.3	61.8	61.8	61.8	61.9	61.9	61.9	61.9	62.4	62.4	62.5	62.6	62.7
GE 20000	I	9	65.7	66.8	66.9	67.4	67.4	67.4	67.5	67.5	67.5	67.5	68.0	68.0	68.1	68.2	68.3
GE 18000	I	9	65.7	66.8	66.9	67.4	67.4	67.4	67.5	67.5	67.5	67.5	68.0	68.0	68.1	68.2	68.3
GE 16000	I	9	65.7	66.8	66.9	67.4	67.4	67.4	67.5	67.5	67.5	67.5	68.0	68.0	68.1	68.2	68.3
GE 14000	I	9	65.9	67.0	67.1	67.6	67.6	67.6	67.7	67.7	67.7	67.7	68.2	68.2	68.3	68.4	68.5
GE 12000	I	9	66.9	68.0	68.1	68.6	68.6	68.6	68.7	68.7	68.7	68.7	69.1	69.1	69.2	69.4	69.5
GE 10000	I	9	71.0	72.0	72.3	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.4	73.4	73.5	73.7	73.8
GE 9000	I	9	71.2	72.3	72.5	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.7	73.7	73.8	73.9	74.0
GE 8000	I	9	75.2	76.3	76.6	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.7	77.7	77.8	78.0	78.1
GE 7000	I	1.2	76.7	77.8	78.1	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.5	79.5	79.6	79.7	79.8
GE 6000	I	1.2	77.5	78.7	78.9	79.6	79.7	79.7	80.0	80.0	80.0	80.0	80.4	80.4	80.5	80.6	80.8
GE 5000	I	1.2	78.6	79.9	80.2	81.1	81.2	81.4	81.6	81.6	81.6	81.6	82.0	82.0	82.2	82.3	82.4
GE 4500	I	1.2	79.5	80.8	81.1	81.9	82.0	82.3	82.5	82.5	82.5	82.5	82.9	82.9	83.0	83.1	83.2
GE 4000	I	1.2	82.2	83.7	84.0	84.8	84.9	85.2	85.4	85.4	85.4	85.4	85.8	85.8	85.9	86.0	86.1
GE 3500	I	1.2	83.1	84.7	85.3	86.1	86.2	86.5	86.7	86.7	86.7	86.7	87.1	87.1	87.2	87.3	87.4
GE 3000	I	1.2	84.7	86.6	87.2	88.1	88.2	88.4	88.7	88.7	88.7	88.7	89.1	89.1	89.2	89.4	89.5
GE 2500	I	1.2	85.3	87.2	88.1	88.9	89.0	89.4	89.7	89.7	89.7	89.7	90.1	90.1	90.2	90.3	90.4
GE 2000	I	1.2	86.3	88.4	89.4	90.3	90.6	91.1	91.4	91.4	91.4	91.4	91.8	91.8	91.9	92.0	92.2
GE 1800	I	1.2	86.5	88.5	89.5	90.4	90.8	91.2	91.5	91.5	91.5	91.5	91.9	91.9	92.0	92.2	92.3
GE 1500	I	1.2	87.2	89.4	90.4	91.4	91.7	92.2	92.5	92.5	92.5	92.5	92.9	92.9	93.0	93.1	93.2
GE 1200	I	1.2	87.7	90.0	91.2	92.2	92.5	92.9	93.2	93.2	93.2	93.2	93.7	93.7	93.8	93.9	94.0
GE 1000	I	1.2	88.0	90.2	91.5	92.5	92.8	93.3	93.7	93.7	93.7	93.7	94.1	94.1	94.2	94.3	94.4
GE 900	I	1.2	88.0	90.3	91.6	92.6	92.9	93.4	93.8	93.8	93.8	93.8	94.2	94.2	94.3	94.4	94.5
GE 800	I	1.2	88.3	91.1	92.6	93.5	94.0	94.5	94.8	94.8	94.8	94.8	95.3	95.3	95.4	95.5	95.6
GE 700	I	1.2	88.5	91.4	92.9	94.0	94.4	94.9	95.4	95.4	95.4	95.4	95.8	95.8	95.9	96.0	96.1
GE 600	I	1.2	88.6	91.6	93.1	94.5	94.9	95.5	96.1	96.1	96.1	96.1	96.6	96.6	96.7	96.8	96.9
GE 500	I	1.2	88.6	91.7	93.4	95.3	96.0	96.7	97.3	97.3	97.4	97.4	97.8	97.8	98.0	98.1	98.2
GE 400	I	1.2	88.6	91.7	93.4	95.4	96.1	96.7	97.1	97.1	97.8	97.8	98.3	98.3	98.5	98.6	98.7
GE 300	I	1.2	88.6	91.7	93.8	95.9	96.7	97.6	98.3	98.3	98.5	98.5	98.9	98.9	99.1	99.2	99.5
GE 200	I	1.2	88.6	91.7	93.8	95.9	96.7	97.6	98.3	98.3	98.5	98.5	98.9	98.9	99.2	99.2	99.5
GE 100	I	1.2	88.6	91.7	93.8	95.9	96.7	97.6	98.3	98.3	98.5	98.5	99.0	99.0	99.5	99.8	100.0
GE	CI	1.2	88.6	91.7	93.8	95.9	96.7	97.6	98.3	98.3	98.5	98.5	99.0	99.0	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930





PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 0900-1400

VISIBILITY IN STATUTE MILES

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																										
IN FEET	10	GE	6	GE	5	GE	4	GF	GE	3	GE	2	GE	1 1/2	GE	1	GE	3/4	GE	5/8	GE	1/2	GE	5/16	GE	1/4	GE	0
NO CEIL	1	6	48.5	48.9	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 20000	1	6	61.0	61.5	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 18000	1	6	61.2	61.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 16000	1	6	61.2	61.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 14000	1	6	61.5	62.0	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 12000	1	6	63.0	63.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 10000	1	6	66.8	67.4	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 9000	1	6	66.9	67.5	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 8000	1	6	73.0	73.9	75.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 7000	1	6	73.8	74.9	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 6000	1	6	74.3	75.5	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 5000	1	6	74.5	76.1	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 4000	1	6	76.2	77.6	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3000	1	6	80.0	81.7	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2000	1	6	81.8	83.8	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1000	1	6	86.5	88.7	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	1	6	88.0	90.3	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800	1	6	89.2	91.7	93.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1600	1	6	89.5	91.9	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	1	6	91.0	93.4	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	1	6	91.0	93.4	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	1	6	91.4	93.9	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	1	6	91.5	94.0	96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	1	6	91.7	94.3	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	1	6	91.7	94.4	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	1	6	91.7	94.4	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	1	6	91.7	94.4	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	1	6	91.7	94.4	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	1	6	91.7	94.4	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	1	6	91.7	94.4	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 100	1	6	91.7	94.4	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 0	1	6	91.7	94.4	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 0	1	6	91.7	94.4	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	10
NO CEIL	1.8	59.9	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4
GE 20000	1.9	66.8	67.0	67.5	67.6	67.6	67.6	67.6	67.6	67.6
GE 18000	1.9	67.0	67.2	67.7	67.8	67.8	67.8	67.8	67.8	67.8
GE 16000	1.9	67.0	67.2	67.7	67.8	67.8	67.8	67.8	67.8	67.8
GE 14000	1.9	67.4	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	1.9	68.2	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0
GE 10000	2.2	72.2	72.4	73.0	73.1	73.1	73.1	73.1	73.1	73.1
GE 9000	2.2	72.4	72.6	73.3	73.4	73.4	73.4	73.4	73.4	73.4
GE 8000	2.2	77.8	78.4	79.1	79.2	79.2	79.2	79.2	79.2	79.2
GE 7000	2.2	79.1	79.7	80.4	80.5	80.5	80.5	80.5	80.5	80.5
GE 6000	2.2	80.4	81.0	81.7	82.0	82.0	82.0	82.0	82.0	82.0
GE 5000	2.2	82.4	83.2	84.0	84.4	84.4	84.4	84.4	84.4	84.4
GE 4500	2.2	83.3	84.2	84.9	85.4	85.4	85.4	85.4	85.4	85.4
GE 4000	2.2	86.2	87.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7
GE 3500	2.2	87.7	88.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2
GE 3000	2.2	90.2	91.7	92.9	93.3	93.3	93.3	93.3	93.3	93.3
GE 2500	2.2	90.6	92.3	93.5	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	2.2	90.9	92.8	94.5	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	2.2	90.9	92.8	94.5	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	2.2	91.3	93.3	95.3	96.0	96.2	96.2	96.2	96.2	96.2
GE 1200	2.2	91.7	93.8	95.8	96.5	96.6	96.8	96.8	96.8	96.8
GE 1000	2.2	92.4	94.4	96.5	97.1	97.2	97.5	97.5	97.5	97.5
GE 900	2.2	92.6	94.6	96.8	97.3	97.6	98.0	98.0	98.0	98.0
GE 800	2.2	92.9	94.9	97.2	97.7	98.0	98.4	98.4	98.4	98.4
GE 700	2.2	93.3	95.4	97.6	98.2	98.4	98.8	98.8	98.8	98.8
GE 600	2.2	93.7	95.9	98.2	98.7	98.9	99.4	99.4	99.4	99.4
GE 500	2.2	93.7	95.9	98.2	98.7	98.9	99.4	99.4	99.4	99.4
GE 400	2.2	93.7	95.9	98.3	98.8	99.1	99.6	99.6	99.6	99.6
GE 300	2.2	93.8	96.0	98.5	99.0	99.4	99.8	99.8	99.8	99.8
GE 200	2.2	93.8	96.0	98.5	99.0	99.4	99.8	99.8	99.8	99.8
GE 100	2.2	93.8	96.0	98.5	99.0	99.4	99.8	99.8	99.8	99.8
GE	01	2.2	93.8	96.0	98.5	99.0	99.4	99.6	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930										STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86											
																				MONTH: MAY										ALL	
CEILING										VISIBILITY IN STATUTE MILES																					
IN	FEET	1	GE	10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0									
NO CEIL	1	1.1	51.9	53.9	55.0	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8									
GE 20000	1	1.1	59.7	62.2	63.4	63.9	63.9	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.4	64.4	64.4	64.4									
GE 18000	1	1.1	59.8	62.3	63.6	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5									
GE 16000	1	1.1	59.8	62.3	63.6	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5									
GE 14000	1	1.1	60.3	62.9	64.1	64.6	64.6	64.6	64.7	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1									
GE 12000	1	1.1	61.5	64.1	65.3	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3									
GE 10000	1	1.2	65.1	68.0	69.5	70.1	70.1	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.6									
GE 9000	1	1.2	65.3	68.2	69.7	70.3	70.3	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.9	70.9	70.9									
GE 8000	1	1.2	70.4	73.7	75.3	76.1	76.1	76.1	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.8									
GE 7000	1	1.3	71.8	75.1	76.8	77.6	77.6	77.6	77.7	77.9	77.9	78.0	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3									
GE 6000	1	1.3	72.6	75.9	77.6	78.4	78.4	78.4	78.6	78.8	78.8	78.9	78.9	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2									
GE 5000	1	1.3	73.5	77.0	78.7	79.6	79.6	79.6	79.8	80.1	80.1	80.2	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5									
GE 4500	1	1.3	74.4	78.0	79.7	80.7	80.7	80.7	80.9	81.1	81.1	81.3	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.6	81.6	81.6									
GE 4000	1	1.4	76.8	80.6	82.4	83.4	83.4	83.4	83.6	83.9	83.9	84.1	84.1	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3									
GE 3500	1	1.4	78.0	81.9	83.7	84.7	84.7	84.7	84.9	85.2	85.2	85.4	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.7	85.7	85.7									
GE 3000	1	1.4	80.5	84.7	86.8	87.9	87.9	87.9	88.1	88.4	88.4	88.6	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.9	88.9	88.9									
GE 2500	1	1.4	81.2	85.5	87.8	88.9	88.9	88.9	89.2	89.5	89.5	89.7	89.7	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0									
GE 2000	1	1.4	82.1	86.7	89.1	90.2	90.2	90.2	90.5	90.9	90.9	91.2	91.2	91.2	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4									
GE 1800	1	1.4	82.3	86.9	89.3	90.4	90.4	90.4	90.7	91.1	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6									
GE 1500	1	1.4	83.4	88.2	90.8	92.0	92.0	92.0	92.3	92.7	92.7	93.0	93.0	93.0	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3									
GE 1200	1	1.4	83.9	88.8	91.5	92.8	92.8	92.8	93.1	93.5	93.5	93.8	93.8	93.8	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1									
GE 1000	1	1.4	84.2	89.3	92.1	93.5	93.5	93.5	93.9	94.3	94.3	94.6	94.6	94.6	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0									
GE 900	1	1.4	84.4	89.4	92.3	93.8	93.8	93.8	94.1	94.6	94.6	94.9	94.9	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2									
GE 800	1	1.4	84.6	89.9	92.9	94.5	94.5	94.5	94.8	95.4	95.4	95.7	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1									
GE 700	1	1.4	84.9	90.2	93.4	95.1	95.1	95.1	95.5	96.1	96.1	96.4	96.4	96.4	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8									
GE 600	1	1.4	85.0	90.4	93.7	95.5	95.5	95.5	95.9	96.5	96.5	96.9	96.9	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3									
GE 500	1	1.4	85.1	90.4	93.8	95.8	95.8	95.8	96.3	97.0	97.0	97.4	97.4	97.4	97.5	97.7	97.7	97.9	98.0	98.0	98.0	98.0									
GE 400	1	1.4	85.1	90.5	94.0	96.0	96.0	96.0	96.6	97.5	97.5	98.0	98.0	98.1	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6									
GE 300	1	1.4	85.1	90.5	94.1	96.2	96.2	96.2	96.7	97.7	97.7	98.3	98.3	98.5	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2									
GE 200	1	1.4	85.1	90.6	94.1	96.2	96.2	96.2	96.7	97.7	97.7	98.4	98.4	98.6	99.0	99.3	99.3	99.3	99.5	99.5	99.5	99.5									
GE 100	1	1.4	85.1	90.6	94.1	96.2	96.2	96.2	96.7	97.7	97.7	98.4	98.4	98.6	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6									
GE 0	1	1.4	85.1	90.6	94.1	96.2	96.2	96.2	96.7	97.7	97.7	98.4	98.4	98.6	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6									

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES										PERIOD OF RECORD: 77-86									
	1	2	3	4	5	6	7	8	9	10	1 1/4	1 1/2	2	3	4	5	6	7	8	9
NO CEIL	1	2	3	4	5	6	7	8	9	10	1 1/4	1 1/2	2	3	4	5	6	7	8	9
GE 20000	8	71.2	73.7	75.1	75.4	75.6	75.6	75.6	75.6	75.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	8	71.2	73.7	75.1	75.4	75.6	75.6	75.6	75.6	75.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	8	71.2	73.7	75.1	75.4	75.6	75.6	75.6	75.6	75.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	8	72.3	74.8	76.2	76.6	76.7	76.7	76.7	76.7	76.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	8	72.8	75.3	76.9	77.2	77.3	77.3	77.3	77.3	77.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 10000	8	76.1	79.1	80.9	81.6	81.7	81.7	81.7	81.7	81.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 9000	8	76.1	79.1	80.9	81.6	81.7	81.7	81.7	81.7	81.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 8000	8	79.4	82.6	84.6	85.3	85.7	85.7	85.7	85.7	85.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	8	79.9	83.0	85.0	85.8	86.1	86.1	86.1	86.1	86.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 6000	8	80.1	83.2	85.2	86.2	86.6	86.6	86.6	86.6	86.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 5000	8	81.2	84.4	86.4	87.6	87.9	87.9	87.9	87.9	87.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4500	8	82.3	85.7	87.7	88.8	89.2	89.2	89.2	89.2	89.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4000	8	83.0	86.9	88.7	89.9	90.6	90.6	90.6	90.6	90.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 3500	8	83.6	86.9	88.9	90.6	91.2	91.2	91.2	91.2	91.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 3000	8	85.1	88.4	91.1	92.7	93.3	93.3	93.3	93.3	93.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 2500	8	85.7	89.0	91.8	93.3	94.0	94.0	94.0	94.0	94.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 2000	8	86.3	89.7	92.4	94.0	94.7	94.7	94.7	94.7	94.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 1800	8	86.3	89.7	92.4	94.0	94.7	94.7	94.7	94.7	94.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 1500	8	86.7	90.0	93.0	94.6	95.2	95.2	95.2	95.2	95.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 1200	8	87.3	90.8	94.1	95.8	96.7	96.8	96.8	96.8	96.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 1000	8	87.7	91.1	94.6	96.3	97.2	97.3	97.3	97.3	97.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 900	8	87.7	91.1	94.6	96.3	97.2	97.3	97.3	97.3	97.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 800	8	87.9	91.3	94.9	96.8	97.7	97.8	97.8	97.8	97.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 700	8	88.2	91.7	95.2	97.2	98.1	98.2	98.2	98.2	98.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 600	8	88.3	91.8	95.3	97.3	98.4	98.4	98.4	98.4	98.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 500	8	88.6	92.0	95.6	97.6	99.0	99.1	99.1	99.1	99.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 400	8	88.6	92.0	95.6	97.7	99.2	99.4	99.4	99.4	99.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 300	8	88.6	92.0	95.6	97.8	99.3	99.7	99.7	99.7	99.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 200	8	88.6	92.0	95.6	97.8	99.3	99.7	99.7	99.7	99.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 100	8	88.6	92.0	95.6	97.8	99.3	99.7	99.7	99.7	99.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 0	8	88.6	92.0	95.6	97.8	99.3	99.7	99.7	99.7	99.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0300-0500

CEILING IN FEET	10	GE	6	5	4	3	2	1/2	1	1/4	VISIBILITY IN STATUTE MILES								GE	5/8	1/2	GE	1/4	0
											GE	GE	GE	GE	GE	GE	GE	GE						
NO CEIL	.4	49.3	54.9	58.0	59.9	60.6	61.4	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 20000	.6	55.1	61.1	64.4	67.1	67.8	68.7	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 18000	.6	55.1	61.1	64.4	67.1	67.8	68.7	68.9	68.9	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 16000	.6	55.1	61.1	64.4	67.1	67.8	68.7	68.9	68.9	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 14000	.6	55.6	61.6	65.0	67.7	68.3	69.2	69.4	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	.6	56.1	62.1	65.7	68.3	69.0	70.0	70.2	70.3	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 10000	.6	59.1	65.4	69.4	72.4	73.1	74.2	74.4	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 9000	.6	59.6	65.9	69.9	72.9	73.6	74.7	74.9	75.0	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 8000	.6	62.1	69.0	73.3	76.3	77.0	78.1	78.4	78.6	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 7000	.6	62.7	69.6	74.0	77.0	77.7	78.8	79.1	79.2	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 6000	.6	63.1	70.0	74.4	77.4	78.1	79.3	79.7	79.8	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 5000	.6	64.1	71.0	75.7	78.7	79.3	80.6	80.9	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500	.6	64.8	71.8	76.4	79.6	80.2	81.4	81.8	81.9	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4000	.6	65.7	72.7	77.6	81.0	81.7	82.9	83.2	83.3	83.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3500	.6	66.3	73.3	78.2	81.7	82.3	83.6	83.9	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3000	.6	67.4	74.6	79.8	83.4	84.2	85.4	85.8	85.9	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2500	.6	68.4	75.6	80.9	84.6	85.6	86.8	87.1	87.2	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	.6	69.2	76.6	82.2	85.9	86.9	88.2	88.6	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1800	.6	69.2	76.6	82.2	85.9	86.9	88.2	88.6	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1500	.6	70.1	77.4	83.2	87.2	88.2	90.0	90.3	90.4	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	.6	70.9	78.2	84.1	88.1	89.1	91.0	91.3	91.4	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1000	.6	71.4	79.1	85.0	89.3	90.3	92.3	92.8	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 900	.6	71.8	79.4	85.4	89.8	90.8	92.8	93.2	93.3	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	.6	72.0	79.7	85.8	90.4	91.4	93.4	93.9	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 700	.6	72.3	80.1	86.4	91.3	92.3	94.4	94.9	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 600	.6	72.6	80.3	86.7	91.9	93.1	95.2	95.7	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 500	.6	72.7	80.6	86.9	92.2	93.6	95.8	96.3	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 400	.6	72.8	80.9	87.3	92.8	94.3	96.7	97.3	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 300	.6	73.0	81.1	87.6	93.1	94.7	97.1	97.8	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 200	.6	73.0	81.1	87.7	93.3	94.9	97.3	98.0	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 100	.6	73.0	81.1	87.7	93.3	94.9	97.3	98.0	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 01	.6	73.0	81.1	87.7	93.3	94.9	97.3	98.0	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET		VISIBILITY IN STATUTE MILES																								
		10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	2	1	1 1/2	GE	1	3/4	GE	5/8	1/2	GE	5/16	1/4	0
NO CEIL	I	.1	35.6	45.6	52.9	56.4	57.3	58.6	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
GE 20000	I	.1	39.2	51.2	59.7	64.3	65.2	66.7	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6
GE 18000	I	.1	39.2	51.2	59.7	64.3	65.2	66.7	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6
GE 16000	I	.1	39.2	51.2	59.7	64.3	65.2	66.7	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6
GE 14000	I	.1	40.2	52.3	60.8	65.4	66.3	67.8	68.2	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.8
GE 12000	I	.1	40.7	53.2	62.0	66.8	67.7	69.1	69.6	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1
GE 10000	I	.1	42.4	56.0	65.4	71.1	72.0	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4
GE 9000	I	.1	42.4	56.0	65.4	71.1	72.0	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4
GE 8000	I	.1	43.7	58.1	67.8	74.0	75.1	76.6	77.1	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.9	
GE 7000	I	.1	44.4	58.9	68.7	75.1	76.2	77.7	78.2	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	
GE 6000	I	.1	44.7	59.2	69.2	75.9	77.0	78.4	79.0	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.8
GE 5000	I	.1	45.1	59.8	69.9	76.7	77.8	79.2	79.8	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.6
GE 4500	I	.1	45.2	59.9	70.0	76.8	77.9	79.4	80.0	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.8
GE 4000	I	.1	45.6	60.6	70.8	77.7	78.8	80.3	80.9	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7
GE 3500	I	.1	46.0	61.1	71.4	78.4	79.6	81.1	81.7	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
GE 3000	I	.1	47.4	62.9	73.9	81.6	82.9	84.7	85.2	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0
GE 2500	I	.1	47.6	63.1	74.3	82.1	83.4	85.2	85.8	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7
GE 2000	I	.1	48.0	63.7	75.0	82.8	84.1	86.0	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7
GE 1800	I	.1	48.2	63.9	75.2	83.0	84.3	86.2	87.0	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.9
GE 1500	I	.1	48.6	64.2	75.7	83.7	85.2	87.4	88.3	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.2
GE 1200	I	.1	49.3	65.1	76.8	85.0	86.6	88.9	89.8	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.7
GE 1000	I	.1	49.8	66.0	78.2	86.8	88.4	91.0	91.9	92.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.0
GE 900	I	.1	49.8	66.1	78.4	87.0	88.7	91.2	92.1	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.2
GE 800	I	.1	50.2	66.6	79.2	88.0	89.7	92.3	93.3	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.7
GE 700	I	.1	50.6	67.0	80.0	88.9	90.6	93.2	94.2	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.7
GE 600	I	.1	50.7	67.1	80.1	89.3	91.0	93.9	95.2	95.9	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.0
GE 500	I	.1	50.7	67.2	80.3	90.1	91.8	94.9	96.7	97.3	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4
GE 400	I	.1	50.7	67.2	80.3	90.1	92.0	95.2	97.2	98.0	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1
GE 300	I	.1	50.7	67.2	80.3	90.1	92.0	95.3	97.3	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.2
GE 200	I	.1	50.7	67.2	80.3	90.1	92.0	95.3	97.3	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.3
GE 100	I	.1	50.7	67.2	80.3	90.1	92.0	95.3	97.3	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	100.0
GE 0	I	.1	50.7	67.2	80.3	90.1	92.0	95.3	97.3	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(1ST): G900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1
NO CEIL	1	50.4	58.9	61.7	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	57.1	67.7	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 18000	57.1	67.7	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 16000	57.1	67.7	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 14000	57.4	68.0	71.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 12000	58.0	69.1	72.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 10000	62.1	74.0	78.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	62.4	74.3	78.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 8000	64.4	77.0	81.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 7000	64.8	77.4	81.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 6000	65.8	78.4	82.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 5000	67.2	79.9	84.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4500	67.4	80.2	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	67.7	80.7	85.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3500	68.0	81.3	85.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3000	69.7	83.6	88.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2500	70.8	84.8	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2000	71.0	85.0	90.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	71.1	85.1	90.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1500	72.1	86.6	92.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	72.9	87.6	93.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	73.3	88.2	94.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	73.3	88.2	94.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	73.3	88.2	95.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	73.3	88.2	95.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	73.3	88.2	95.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	73.3	88.2	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	73.3	88.2	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	73.3	88.2	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	73.3	88.2	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 100	73.3	88.2	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 0	73.3	88.2	95.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 1200-1400

CEILING IN FEET		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86 MONTH: JUN HOURS(IST): 1200-1400			
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE				
		10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0					
NO CEIL	1	2	54.0	58.1	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8				
GE 20000	1	2	64.4	68.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8				
GE 18000	1	2	64.8	69.2	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1				
GE 16000	1	2	64.8	69.2	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1				
GE 14000	1	2	65.6	70.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9				
GE 12000	1	2	66.7	71.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2				
GE 10000	1	2	69.8	74.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9				
GE 9000	1	2	69.9	74.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0				
GE 8000	1	2	72.3	77.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8				
GE 7000	1	2	72.8	77.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4				
GE 6000	1	2	73.2	78.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0				
GE 5000	1	2	74.4	79.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4				
GE 4500	1	2	75.0	80.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6				
GE 4000	1	2	76.9	82.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0				
GE 3500	1	2	78.0	84.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8				
GE 3000	1	2	81.4	88.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3				
GE 2500	1	2	82.9	90.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8				
GE 2000	1	2	83.3	90.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3				
GE 1800	1	2	83.4	90.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4				
GE 1500	1	2	84.0	91.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2				
GE 1200	1	2	84.2	91.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7				
GE 1000	1	2	84.8	92.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3				
GE 900	1	2	84.6	92.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3				
GE 800	1	2	84.8	92.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3				
GE 700	1	2	84.8	92.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3				
GE 600	1	2	84.8	92.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4				
GE 500	1	2	84.8	92.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4				
GE 400	1	2	84.8	92.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4				
GE 300	1	2	84.8	92.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4				
GE 200	1	2	84.8	92.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4				
GE 100	1	2	84.8	92.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4				
GE 01	1	2	84.8	92.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4				

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERV. E/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES												GE											
IN		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
FEET		10	20	30	40	50	60	70	80	90	100	110	120	1	2	3	4	5	6	7	8	9	10	11	12
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	20000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	18000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	16000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	14000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	12000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	10000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	9000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	8000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	7000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	6000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	5000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	4500	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	4000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	3500	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	3000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	2500	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	2000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	1800	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	1500	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	1200	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	1000	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	900	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	800	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	700	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	600	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	500	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	400	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	300	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	200	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	100	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
GE	0	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12

TOTAL NUMBER OF OBSERVATIONS: 900

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC  
PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1800-2000

CEILING

VISIBILITY IN STATUTE MILES

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86										MONTH: JUN HOURS(LST): 2100-2300										
CEILING										VISIBILITY IN STATUTE MILES																				
IN	1	GE	10	GE	6	GE	5	GE	4	GE	3	GE	2	GE	1 1/2	GE	1	GE	3/4	GE	5/8	GE	1/2	GE	5/16	GE	1/4	GE	0	
FEET	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	0
NO CEIL	1	7	63.3	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 20000	1	7	70.8	73.8	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
GE 18000	1	7	70.8	73.8	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
GE 16000	1	7	70.8	73.8	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
GE 14000	1	7	71.3	74.3	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	
GE 12000	1	7	72.0	75.0	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 10000	1	0	75.8	78.9	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	
GE 9000	1	0	75.8	78.9	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	
GE 8000	1	0	78.7	82.1	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
GE 7000	1	0	79.1	82.6	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
GE 5000	1	0	80.3	83.8	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
GE 4500	1	0	81.4	85.2	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
GE 4000	1	0	81.9	85.8	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	
GE 3500	1	0	83.3	87.3	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
GE 3000	1	0	84.0	88.2	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE 2500	1	0	86.0	90.4	93.0	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 2000	1	0	86.4	91.0	93.6	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 1500	1	0	87.1	91.7	94.2	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
GE 1000	1	0	87.1	91.7	94.2	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
GE 500	1	0	87.2	91.8	94.6	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
GE 400	1	0	87.7	92.4	95.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 300	1	0	87.8	92.6	95.6	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 200	1	0	87.8	92.6	95.6	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 100	1	0	87.9	92.7	95.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 50	1	0	88.2	93.0	96.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 40	1	0	88.3	93.1	96.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 30	1	0	88.3	93.1	96.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 20	1	0	88.3	93.1	96.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 10	1	0	88.3	93.1	96.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 0	1	0	88.3	93.1	96.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(11): ALL

CEILING IN FEET		VISIBILITY IN STATUTE MILES														GE								
		10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1	3/4					GE	5/8	1/2	GE	5/16
NO CEIL	1	.3	52.9	58.1	60.6	61.5	61.7	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 20000	1	.3	60.8	67.0	69.9	71.2	71.4	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 18000	1	.3	60.9	67.1	70.1	71.3	71.5	71.8	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 16000	1	.3	60.9	67.1	70.1	71.3	71.5	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 14000	1	.3	61.6	67.9	70.9	72.2	72.3	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 12000	1	.3	62.2	68.7	71.8	73.1	73.3	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 10000	1	.4	65.5	72.5	76.0	77.6	77.8	78.2	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 9000	1	.4	65.6	72.6	76.1	77.8	78.0	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 8000	1	.4	68.5	76.0	79.7	81.5	81.8	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	1	.4	68.9	76.5	80.3	82.1	82.3	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 6000	1	.4	69.6	77.2	81.1	83.0	83.2	83.7	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 5000	1	.4	70.7	78.4	82.5	84.6	84.8	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 4500	1	.4	71.3	79.3	83.5	85.6	85.8	86.3	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4000	1	.4	72.5	80.6	85.1	87.3	87.6	88.1	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	1	.4	73.2	81.5	86.1	88.4	88.6	89.2	89.2	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3000	1	.4	75.0	83.7	88.7	91.3	91.6	92.2	92.2	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	1	.4	75.6	84.4	89.4	92.1	92.4	93.1	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	1	.4	76.0	84.9	89.9	92.7	93.0	93.7	93.7	93.9	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	1	.4	76.1	84.9	90.0	92.7	93.0	93.7	93.7	94.0	94.0	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1500	1	.4	76.5	85.4	90.6	93.4	93.8	94.6	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	1	.4	77.0	86.0	91.3	94.2	94.5	95.4	95.4	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	1	.4	77.3	86.5	92.0	95.0	95.4	96.4	96.4	96.7	96.8	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	1	.4	77.4	86.6	92.1	95.2	95.6	96.5	96.5	96.9	97.0	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	1	.4	77.5	86.7	92.4	95.6	96.0	97.0	97.0	97.3	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	1	.4	77.6	86.8	92.7	95.9	96.3	97.3	97.3	97.7	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	1	.4	77.7	87.0	92.8	96.1	96.6	97.7	97.7	98.1	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	1	.4	77.8	87.1	93.0	96.4	97.0	98.1	98.1	98.6	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	1	.4	77.8	87.1	93.0	96.5	97.1	98.3	98.3	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	1	.4	77.9	87.2	93.1	96.6	97.2	98.4	98.4	99.0	99.1	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	1	.4	77.9	87.2	93.1	96.6	97.2	98.4	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	1	.4	77.9	87.2	93.1	96.6	97.2	98.4	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 01	1	.4	77.9	87.2	93.1	96.6	97.2	98.4	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0000-0200

CEILING IN FEET		VISIBILITY IN STATUTE MILES																GE			
		1	1 1/2	2	2 1/2	3	4	5	6	10	1	1 1/2	2	3	4	5	8	1/2	5/16	1/4	0
NO CEIL	1	4	54.3	58.6	59.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 20000	1	4	64.3	69.2	71.0	73.4	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 18000	1	4	64.3	69.2	71.0	73.4	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 16000	1	4	64.3	69.2	71.0	73.4	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 14000	1	4	64.8	69.8	71.5	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 12000	1	4	66.1	71.1	72.9	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 10000	1	4	70.3	75.4	77.7	80.5	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 9000	1	4	70.3	75.4	77.7	80.5	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 8000	1	4	74.7	79.9	82.7	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 7000	1	4	75.3	80.6	83.5	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 6000	1	4	75.6	81.1	84.1	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 5000	1	4	76.2	82.0	85.1	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4500	1	4	76.7	82.5	85.5	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4000	1	4	77.4	83.4	86.6	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 3500	1	4	77.8	83.9	87.1	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 3000	1	4	80.4	87.1	90.5	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2500	1	4	81.0	87.6	91.1	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000	1	4	81.3	88.1	91.5	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	1	4	81.4	88.2	91.6	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	1	4	81.5	88.4	92.0	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	1	4	81.7	88.6	92.3	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	1	4	81.9	89.0	92.7	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	1	4	82.2	89.2	92.9	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	1	4	82.2	89.2	93.0	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	1	4	82.2	89.2	93.0	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	1	4	82.2	89.4	93.1	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	1	4	82.2	89.4	93.1	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	1	4	82.2	89.4	93.1	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	1	4	82.2	89.4	93.2	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 200	1	4	82.2	89.4	93.2	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 100	1	4	82.2	89.4	93.2	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 0	1	4	82.2	89.4	93.2	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC  
PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0300-0500

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0600-0800

CEILING IN FEET	1	10	GE	6	GE	5	GE	4	GE	3	2	1	1/2	1	1/4	GE	5/8	1/2	5/16	GE	1/4	GE	0
NO CEIL	1	4	27.5	35.9	44.9	52.9	53.8	55.6	56.5	56.7	57.3	57.3	57.3	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 20000	1	4	30.1	40.2	50.8	59.4	60.2	62.3	63.3	63.5	64.3	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9
GE 18000	1	4	30.1	40.2	50.8	59.4	60.2	62.3	63.3	63.5	64.3	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9
GE 16000	1	4	30.1	40.2	50.8	59.4	60.2	62.3	63.3	63.5	64.3	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9
GE 14000	1	4	30.4	40.6	51.3	60.0	60.9	62.9	64.0	64.2	64.9	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6
GE 12000	1	4	32.4	43.0	54.1	63.0	64.0	66.0	67.1	67.3	68.1	68.2	68.2	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7
GE 10000	1	4	35.6	47.3	59.5	68.9	70.0	72.0	73.1	73.3	74.1	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.8
GE 9000	1	4	35.6	47.4	59.7	69.1	70.2	72.3	73.3	73.5	74.3	74.4	74.4	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.1
GE 8000	1	4	38.1	50.6	63.3	73.1	74.2	76.7	77.7	78.0	78.7	78.8	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.5
GE 7000	1	4	38.5	51.4	64.1	74.2	75.3	77.7	79.0	79.2	80.0	80.1	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.8
GE 6000	1	4	39.2	52.2	64.8	74.9	76.0	78.5	79.8	80.0	80.8	80.9	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.5
GE 5000	1	4	39.8	52.8	65.6	75.8	76.9	79.4	80.8	81.0	81.7	81.8	81.8	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.5
GE 4500	1	4	40.1	53.1	66.0	76.2	77.3	79.8	81.2	81.4	82.2	82.3	82.3	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7
GE 4000	1	4	40.5	54.0	67.0	77.2	78.3	80.9	82.3	82.5	83.2	83.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0
GE 3500	1	4	40.5	54.0	67.1	77.3	78.4	81.0	82.4	82.6	83.3	83.4	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.1
GE 3000	1	4	41.1	55.2	68.5	79.5	80.5	83.4	84.9	85.2	85.9	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7
GE 2500	1	4	41.2	55.3	68.7	80.0	81.1	84.0	85.5	85.7	86.5	86.6	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2
GE 2000	1	4	41.2	55.3	68.7	80.2	81.4	84.4	86.0	86.2	87.0	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7
GE 1800	1	4	41.3	55.4	68.9	80.5	81.7	84.7	86.3	86.6	87.3	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1
GE 1500	1	4	41.6	55.9	69.6	81.5	82.8	86.0	87.7	88.0	88.7	88.8	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.5
GE 1200	1	4	42.0	56.6	70.2	82.4	83.8	87.1	88.8	89.0	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.5
GE 1000	1	4	42.5	57.1	70.8	83.3	84.9	88.3	90.0	90.2	91.0	91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.7
GE 900	1	4	42.5	57.1	70.8	83.3	84.9	88.3	90.0	90.2	91.0	91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.7
GE 800	1	4	42.6	57.2	71.2	84.0	85.6	88.9	90.8	91.0	91.7	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.5
GE 700	1	4	42.7	57.5	71.6	84.6	86.5	90.0	92.2	92.4	93.2	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0
GE 600	1	4	42.9	57.7	72.0	85.2	87.1	91.1	93.4	93.7	94.5	94.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.3
GE 500	1	4	42.9	57.7	72.0	85.6	87.7	91.8	94.4	94.6	95.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3
GE 400	1	4	42.9	57.7	72.0	86.0	88.4	92.9	95.7	95.9	97.0	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7
GE 300	1	4	42.9	57.7	72.0	86.2	88.5	93.2	96.1	96.5	97.5	97.5	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.8
GE 200	1	4	42.9	57.7	72.0	86.2	88.7	93.4	96.3	96.8	97.8	97.8	97.8	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.6
GE 100	1	4	42.9	57.7	72.0	86.2	88.7	93.4	96.3	96.8	97.8	97.8	97.8	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 01	1	4	42.9	57.7	72.0	86.2	88.7	93.4	96.3	96.8	97.8	97.8	97.8	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(1ST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	1	1 1/2	2	2 1/2	3	4	5	6	7	8
NO CEIL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GE 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES												PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS											
IN FEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
NO CEIL	1	1.2	39.9	45.9	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 20000	1	1.2	50.0	58.3	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 18000	1	1.2	50.1	58.4	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 16000	1	1.2	50.1	58.4	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 14000	1	1.2	51.0	59.4	62.0	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 12000	1	1.2	53.2	62.4	65.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 10000	1	1.2	56.9	66.6	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 9000	1	1.2	56.9	66.6	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 8000	1	1.3	62.4	72.7	76.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 7000	1	1.3	62.9	73.4	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 6000	1	1.3	63.1	73.7	77.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 5000	1	1.4	63.7	74.2	78.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 4500	1	1.4	63.9	74.5	79.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4000	1	1.4	65.8	77.5	82.8	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3500	1	1.4	67.5	79.7	85.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	1	1.4	72.0	85.3	91.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	1	1.4	72.8	86.2	93.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	1	1.4	73.5	87.1	94.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	1	1.4	73.8	87.4	94.4	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	1	1.4	74.0	87.6	94.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	1	1.4	74.1	87.7	94.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 200	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 0	1	1.4	74.1	87.7	94.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1800-2000

CEILING IN FEET		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
		1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	1/8	1/16	0
NO CEIL	1	1.3	41.7	47.2	49.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 20000	1	1.3	55.1	61.6	64.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	1	1.3	55.1	61.6	64.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 16000	1	1.3	55.1	61.6	64.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	1	1.3	55.8	62.5	65.7	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 12000	1	1.3	57.3	64.4	67.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 10000	1	1.3	62.4	69.9	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 9000	1	1.3	62.4	69.9	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 8000	1	1.3	67.6	75.6	80.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 7000	1	1.3	68.5	76.7	81.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 6000	1	1.3	69.4	77.6	82.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 5000	1	1.3	70.0	78.5	84.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4500	1	1.4	70.3	78.8	84.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 4000	1	1.4	71.3	80.5	86.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	1	1.4	72.6	82.2	88.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	1	1.4	75.6	85.7	92.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	1	1.4	75.9	86.5	93.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	1	1.4	76.2	86.8	94.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	1	1.4	76.2	86.8	94.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	1	1.4	76.6	87.3	94.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	1	1.4	76.6	87.3	94.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	1	1.4	76.7	87.4	94.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	1	1.4	76.7	87.4	94.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	1	1.4	76.7	87.4	94.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 200	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 100	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 0	1	1.4	76.7	87.4	94.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS: 930







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS			
IN FEET	GE	GE																GE			
		1	10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	D			
NO CEIL	1	44.1	49.9	54.4	58.2	58.9	60.4	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.3			
GE 20000	1	50.9	57.5	62.7	67.1	67.8	69.6	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.8			
GE 18000	1	50.9	57.5	62.7	67.1	67.8	69.6	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.8			
GE 16000	1	50.9	57.5	62.7	67.1	67.8	69.6	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.8			
GE 14000	1	51.1	57.7	62.9	67.3	68.1	69.8	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0			
GE 12000	1	51.9	58.9	64.1	68.5	69.2	71.0	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.2			
GE 10000	1	54.6	62.2	67.6	72.5	73.3	75.1	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3			
GE 9000	1	54.7	62.3	67.7	72.6	73.4	75.2	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.5			
GE 8000	1	58.2	65.8	71.5	76.3	77.2	78.9	79.8	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.3			
GE 7000	1	58.9	66.8	72.5	77.3	78.2	79.9	80.8	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3			
GE 6000	1	59.0	67.0	72.7	77.5	78.4	80.1	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5			
GE 5000	1	59.9	68.1	73.8	79.1	80.0	81.8	82.7	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2			
GE 4500	1	60.8	68.9	74.6	80.0	81.0	82.9	83.8	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3			
GE 4000	1	61.1	69.2	74.9	80.4	81.4	83.3	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.7			
GE 3500	1	61.3	69.5	75.2	80.6	81.6	83.5	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9			
GE 3000	1	62.6	70.9	76.6	82.7	83.7	85.6	86.5	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1			
GE 2500	1	63.2	71.6	77.3	83.4	84.6	86.6	87.4	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.1			
GE 2000	1	63.3	71.7	77.4	83.7	85.1	87.0	87.8	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.6			
GE 1800	1	63.3	71.7	77.4	83.8	85.2	87.1	88.0	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7			
GE 1500	1	64.0	72.5	78.2	84.5	86.0	88.1	88.9	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7			
GE 1200	1	64.0	72.5	78.2	84.5	86.0	88.1	88.9	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7			
GE 1000	1	64.5	73.0	78.7	85.4	86.9	89.0	89.9	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.8			
GE 900	1	64.9	73.4	79.1	85.8	87.3	89.5	90.3	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.2			
GE 800	1	65.8	74.3	80.0	86.9	88.6	90.8	91.6	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7			
GE 700	1	66.2	74.7	80.4	87.3	89.1	91.4	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.4			
GE 600	1	66.2	74.7	80.4	87.5	89.5	91.8	92.8	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.9			
GE 500	1	66.3	74.8	80.8	87.8	89.8	92.3	93.5	93.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.6			
GE 400	1	66.5	75.1	81.2	88.5	90.4	92.9	94.3	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7			
GE 300	1	66.5	75.3	81.4	88.8	90.8	93.4	94.8	94.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	97.2			
GE 200	1	66.5	75.3	81.4	88.9	90.9	93.7	95.3	95.3	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.8			
GE 100	1	66.6	75.4	81.5	89.0	91.0	93.8	95.4	95.4	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	99.9			
GE 0	1	66.6	75.4	81.5	89.0	91.0	93.8	95.4	95.4	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	100.0			

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86													
										MONTH: AUG HOURS(UT): 0600-0800													
CEILING										VISIBILITY IN STATUTE MILES													
IN	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1	3/4	GE	5/8	1/2	GE	1/4	GE	0
FEET	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1	3/4	GE	5/8	1/2	GE	1/4	GE	0
NO CEIL	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1	3/4	GE	5/8	1/2	GE	1/4	GE	0
GE 20000	1	23.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 18000	1	23.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 16000	1	23.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 14000	1	24.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 12000	1	26.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 10000	1	28.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 9000	1	28.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 8000	1	31.6	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 7000	1	32.0	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 6000	1	32.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 5000	1	32.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 4500	1	33.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 4000	1	33.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 3500	1	33.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 3000	1	34.6	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 2500	1	34.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 2000	1	35.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 1800	1	35.3	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 1500	1	35.6	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 1200	1	35.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 1000	1	35.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 900	1	35.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 800	1	36.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 700	1	36.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 600	1	36.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 500	1	36.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 400	1	36.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 300	1	36.8	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 200	1	36.8	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 100	1	36.8	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 0	1	36.8	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

[illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(1ST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																			
		GE	GE	GE	GL	GE	GL	GE	GL	GE	GL	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
IN	FEET	10	6	5	4	3	2	1 1/2	1	1/2	1/4	1	3/4	5/8	1/2	5/16	1/4	0			
NO CEIL	1	.9	39.4	48.4	52.4	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9			
GE 20000	1	1.1	46.3	58.0	62.0	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6			
GE 18000	1	1.1	46.3	58.0	62.0	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6			
GE 16000	1	1.1	46.3	58.0	62.0	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6			
GE 14000	1	1.1	46.7	59.2	63.2	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8			
GE 12000	1	1.1	48.8	61.5	65.4	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1			
GE 10000	1	1.1	52.7	66.1	71.0	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8			
GE 9000	1	1.1	53.1	66.4	71.4	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1			
GE 8000	1	1.1	57.1	71.0	76.5	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3			
GE 7000	1	1.1	57.6	71.6	77.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6			
GE 6000	1	1.1	57.9	71.9	77.4	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1			
GE 5000	1	1.1	58.4	72.7	78.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1			
GE 4500	1	1.1	59.0	73.2	78.8	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6			
GE 4000	1	1.1	60.6	75.8	81.6	83.4	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1			
GE 3500	1	1.1	63.3	78.5	84.5	86.4	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2			
GE 3000	1	1.1	68.0	83.5	90.0	92.2	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0			
GE 2500	1	1.1	69.4	85.1	92.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5			
GE 2000	1	1.1	71.0	86.9	94.3	96.6	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5			
GE 1800	1	1.1	71.2	87.0	94.4	96.7	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6			
GE 1500	1	1.1	71.6	87.4	95.0	97.3	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4			
GE 1200	1	1.1	71.9	87.7	95.7	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0			
GE 1000	1	1.1	72.1	88.1	96.0	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5			
GE 900	1	1.1	72.1	88.1	96.0	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5			
GE 800	1	1.1	72.1	88.1	96.0	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5			
GE 700	1	1.1	72.2	88.2	96.1	98.6	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7			
GE 600	1	1.1	72.2	88.2	96.2	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
GE 500	1	1.1	72.2	88.2	96.2	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
GE 400	1	1.1	72.2	88.2	96.2	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
GE 300	1	1.1	72.2	88.2	96.2	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
GE 200	1	1.1	72.2	88.2	96.2	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
GE 100	1	1.1	72.2	88.2	96.2	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
GE 0	1	1.1	72.2	88.2	96.2	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			

TOTAL NUMBER OF OBSERVATIONS: 929



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930    STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86														
										MONTH: AUG    HOURS(LST): 1500-1700														
CEILING										VISIBILITY IN STATUTE MILES														
IN	1	GE	10	GE	5	GE	4	GE	3	2	1 1/2	GE	2	1	1/2	GE	1	3/4	5/8	1/2	5/16	1/4	GE	0
FEET	1	GE	10	GE	5	GE	4	GE	3	2	1 1/2	GE	2	1	1/2	GE	1	3/4	5/8	1/2	5/16	1/4	GE	0
NO CEIL	1	1.1	38.5	46.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	1	1.1	47.7	57.3	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	1	1.1	47.7	57.3	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	1	1.1	47.7	57.3	60.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 14000	1	1.1	48.7	58.4	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 12000	1	1.1	51.8	62.0	65.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 10000	1	1.1	55.2	66.7	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 9000	1	1.1	55.4	66.9	71.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 8000	1	1.1	61.1	73.1	77.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 7000	1	1.1	61.3	73.4	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 6000	1	1.1	62.5	74.6	79.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 5000	1	1.1	62.7	75.2	80.6	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 4500	1	1.1	63.3	75.8	81.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4000	1	1.1	65.5	78.6	84.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 3500	1	1.1	67.3	81.1	87.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3000	1	1.1	71.2	85.6	92.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	1	1.1	71.7	86.2	93.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	1	1.1	72.4	87.0	94.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	1	1.1	72.4	87.0	94.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	1	1.1	72.8	87.4	94.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	1	1.1	72.8	87.4	94.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	1	1.1	72.9	87.7	95.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	1	1.1	72.9	87.7	95.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	1	1.1	73.0	87.8	95.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	1	1.1	73.0	87.8	95.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	1	1.1	73.0	87.8	95.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	1	1.1	73.0	87.8	95.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	1	1.1	73.0	87.8	95.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	1	1.1	73.0	87.8	95.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 200	1	1.1	73.0	87.8	95.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 100	1	1.1	73.0	87.8	95.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 0	1	1.1	73.0	87.8	95.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOUSLEY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/11 BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															U
	1	GE	2	GE	3	GE	4	5	6	GE	7	GE	8	9	10	
NO CEIL	1	0.6	44.0	50.5	53.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.5
GE 20000	1	0	55.7	63.8	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.6
GE 18000	1	0	55.7	63.8	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.6
GE 16000	1	0	55.7	63.8	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.6
GE 14000	1	0	56.6	64.7	68.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.8
GE 12000	1	0	58.6	66.9	70.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.5
GE 10000	1	0	62.3	71.7	76.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.4
GE 9000	1	0	62.4	71.8	76.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.6
GE 8000	1	0	67.6	77.5	82.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.8
GE 7000	1	0	67.6	77.6	83.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.6
GE 6000	1	0	68.3	78.4	83.8	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	86.3
GE 5000	1	0	69.5	79.8	85.4	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.1
GE 4500	1	0	70.5	80.9	86.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.5
GE 4000	1	0	72.0	82.7	88.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7
GE 3500	1	0	72.3	83.1	89.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.8
GE 3000	1	0	75.3	86.7	92.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	97.7
GE 2500	1	0	75.8	87.2	93.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	98.3
GE 2000	1	0	76.0	87.5	93.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	98.7
GE 1800	1	0	76.0	87.5	93.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	98.7
GE 1500	1	0	76.3	87.8	94.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	99.2
GE 1200	1	0	76.3	87.8	94.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	99.2
GE 1000	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 900	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 800	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 700	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 600	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 500	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 400	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 300	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 200	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 100	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6
GE 0	1	0	76.3	88.0	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	99.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE			
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0						
NO CEIL	1	5	57.8	61.1	62.8	62.9	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 20000	1	9	67.2	71.2	73.4	73.5	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 18000	1	9	67.3	71.3	73.5	73.7	73.8	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 16000	1	0	67.5	71.5	73.8	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 14000	1	0	68.0	71.9	74.2	74.3	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 12000	1	0	68.8	72.9	75.2	75.3	75.4	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 10000	1	0	72.5	77.4	80.1	80.2	80.3	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 9000	1	0	72.6	77.5	80.2	80.3	80.4	80.5	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 8000	1	0	77.3	82.3	85.1	85.4	85.5	85.6	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 7000	1	0	78.0	82.9	85.7	86.0	86.1	86.2	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 6000	1	0	78.6	83.8	86.6	86.9	87.0	87.1	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 5000	1	0	80.0	85.2	88.0	88.3	88.4	88.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4500	1	0	80.9	86.1	88.9	89.2	89.5	89.6	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4000	1	0	82.6	88.2	91.0	91.3	91.5	91.6	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	1	0	82.9	88.5	91.3	91.6	91.8	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3000	1	0	86.0	92.0	95.4	96.1	96.3	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	1	0	86.5	92.5	95.8	96.6	96.8	97.1	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	1	0	86.5	92.5	95.9	96.8	97.0	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	1	0	86.6	92.6	96.0	96.9	97.1	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	1	0	86.8	92.8	96.5	97.4	97.6	98.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	1	0	86.8	92.8	96.5	97.4	97.6	98.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	1	0	87.0	93.2	96.9	97.8	98.1	98.5	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	1	0	87.0	93.3	97.0	98.0	98.2	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	1	0	87.0	93.3	97.1	98.2	98.4	98.8	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	1	0	87.1	93.4	97.2	98.4	98.6	99.0	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	1	0	87.1	93.4	97.2	98.4	98.6	99.0	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	1	0	87.1	93.4	97.3	98.5	98.7	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	1	0	87.2	93.5	97.4	98.6	98.8	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	0	87.2	93.5	97.4	98.6	98.8	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	0	87.2	93.5	97.4	98.6	98.8	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	0	87.2	93.5	97.4	98.6	98.8	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	0	87.2	93.5	97.4	98.6	98.8	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

## TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6
NO CEIL	1.4	59.2	62.7	64.2	65.6	65.8	65.8	65.8	65.8	65.9
GE 20000	1.4	61.4	65.0	66.6	67.9	68.1	68.1	68.1	68.1	68.2
GE 18000	1.4	61.4	65.0	66.6	67.9	68.1	68.1	68.1	68.1	68.2
GE 16000	1.4	61.4	65.0	66.6	67.9	68.1	68.1	68.1	68.1	68.2
GE 14000	1.4	62.0	65.7	67.2	68.6	68.8	68.8	68.8	68.8	68.9
GE 12000	1.4	63.0	66.7	68.2	69.6	69.8	69.8	69.8	69.8	69.9
GE 10000	1.4	66.3	70.1	71.8	73.1	73.3	73.3	73.3	73.3	73.4
GE 9000	1.4	67.0	70.8	72.4	73.8	74.0	74.0	74.0	74.0	74.1
GE 8000	1.4	72.3	76.3	78.2	79.7	79.9	79.9	79.9	79.9	80.0
GE 7000	1.4	73.4	77.4	79.3	80.8	81.0	81.0	81.0	81.0	81.1
GE 6000	1.4	73.7	77.7	79.7	81.1	81.3	81.3	81.3	81.3	81.4
GE 5000	1.4	75.0	79.3	81.4	82.9	83.1	83.1	83.1	83.1	83.2
GE 4500	1.4	75.9	80.2	82.3	83.8	84.0	84.0	84.0	84.0	84.1
GE 4000	1.4	76.9	81.2	83.3	84.8	85.0	85.0	85.0	85.0	85.1
GE 3500	1.4	77.3	81.7	83.9	85.3	85.6	85.6	85.6	85.6	85.7
GE 3000	1.4	78.8	83.3	85.8	87.7	87.9	88.0	88.0	88.0	88.1
GE 2500	1.4	79.9	84.4	87.1	89.0	89.2	89.3	89.3	89.3	89.4
GE 2000	1.4	80.3	85.3	88.1	90.1	90.6	90.8	90.8	90.8	90.9
GE 1800	1.4	80.4	85.4	88.2	90.2	90.7	90.9	91.0	91.0	91.1
GE 1500	1.4	81.4	86.6	89.4	91.4	91.9	92.1	92.2	92.2	92.3
GE 1200	1.4	82.3	87.4	90.3	92.4	92.9	93.1	93.2	93.2	93.3
GE 1000	1.4	82.6	87.7	90.6	92.7	93.1	93.3	93.4	93.4	93.5
GE 900	1.4	82.7	87.9	90.8	92.9	93.3	93.6	93.7	93.7	93.8
GE 800	1.4	83.9	89.2	92.2	94.3	94.8	95.0	95.1	95.1	95.2
GE 700	1.4	84.1	89.4	92.7	95.1	95.6	95.9	96.1	96.1	96.2
GE 600	1.4	84.3	89.8	93.1	95.8	96.2	96.7	97.0	97.0	97.1
GE 500	1.4	84.3	89.9	93.2	95.9	96.4	97.1	97.6	97.6	97.7
GE 400	1.4	84.3	90.0	93.3	96.2	96.8	97.7	98.3	98.4	98.5
GE 300	1.4	84.3	90.0	93.3	96.2	96.8	97.8	98.7	98.8	98.9
GE 200	1.4	84.3	90.0	93.3	96.2	96.8	97.9	99.1	99.2	99.3
GE 100	1.4	84.3	90.0	93.3	96.2	96.8	97.9	99.1	99.2	99.3
GE 0	1.4	84.3	90.0	93.3	96.2	96.8	97.9	99.1	99.2	99.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY			
IN FEET	10	GE 10	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17	GE 18	GE 19	GE 20	GE 21	GE 22	GE 23
NO CEIL	1.7	50.3	54.4	57.2	59.8	60.2	61.3	61.4	61.8	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 20000	1.7	52.3	57.2	60.2	63.1	63.6	64.7	65.4	65.4	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
GE 16000	1.7	52.3	57.2	60.2	63.1	63.6	64.8	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
GE 14000	1.7	52.4	57.3	60.4	63.4	63.9	65.1	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
GE 12000	1.7	53.0	57.9	61.0	64.0	64.4	65.7	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9
GE 10000	1.7	55.4	60.4	63.7	66.7	67.1	68.3	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.8
GE 9000	1.7	55.6	60.6	63.8	66.8	67.3	68.6	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	70.0
GE 8000	1.7	59.6	65.1	68.8	71.9	72.4	73.8	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
GE 7000	1.7	60.7	66.3	70.0	73.2	73.8	75.2	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.7
GE 6000	1.7	61.8	67.4	71.3	74.7	75.2	76.8	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.2
GE 5000	1.7	62.7	68.6	72.6	76.1	76.7	78.3	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.9
GE 4500	1.7	63.2	69.1	73.3	76.9	77.4	79.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.8
GE 4000	1.7	64.1	70.3	74.6	78.1	78.7	80.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.0
GE 3500	1.7	64.7	70.9	75.1	78.7	79.2	80.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.6
GE 3000	1.7	65.3	71.9	76.4	80.0	80.6	82.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	84.1
GE 2500	1.7	65.9	72.7	77.2	80.9	81.4	83.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.0
GE 2000	1.7	67.0	74.0	78.7	82.8	83.3	85.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.9
GE 1800	1.7	67.0	74.0	78.7	82.8	83.3	85.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.9
GE 1500	1.7	67.6	74.7	79.7	83.8	84.3	86.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.0
GE 1200	1.7	68.2	75.4	80.6	85.0	85.6	87.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.2
GE 1000	1.7	68.7	76.0	81.3	85.8	86.3	88.1	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.0
GE 900	1.7	68.7	76.1	81.7	86.1	86.9	88.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.6
GE 800	1.7	69.1	76.8	82.3	86.9	87.9	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6
GE 700	1.7	69.6	77.2	82.8	87.4	88.6	90.4	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.3
GE 600	1.7	70.3	78.1	83.9	89.3	90.6	93.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.9
GE 500	1.7	70.4	78.3	84.1	90.0	91.6	94.3	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.4
GE 400	1.7	70.6	78.4	84.3	90.8	92.4	95.4	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7
GE 300	1.7	70.7	78.6	84.4	90.9	92.6	95.7	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.4
GE 200	1.7	70.7	78.7	84.6	91.0	92.7	95.8	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.4
GE 100	1.7	70.7	78.7	84.6	91.0	92.7	95.8	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	100.0
GE 0	1.7	70.7	78.7	84.6	91.0	92.7	95.8	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES										PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY				
	1	1 1/4	1 1/2	2	3	4	5	6	10	GE	1/4	1/2	5/8	5/16	GE
NO CELL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 20000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 18000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 14000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 12000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 10000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 9000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 8000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 7000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 6000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 5000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 4000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 3000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 2500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 2000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 1800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 1500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 1200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 1000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 900	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 700	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 400	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 300	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE 100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(UT): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY			
IN FEET		1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	1/8	1/16	0
NO CEIL		1.0	42.4	50.3	55.9	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 20000	1.4	46.1	55.1	60.8	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	1.4	46.2	55.2	60.9	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 16000	1.4	46.2	55.2	60.9	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 14000	1.4	47.1	56.3	62.2	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 12000	1.4	48.2	57.8	63.9	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 10000	1.4	50.3	60.4	66.8	68.6	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 9000	1.4	50.6	60.7	67.0	68.8	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 8000	1.7	53.3	63.8	70.9	73.1	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 7000	1.7	53.9	64.3	71.4	73.7	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 6000	1.7	54.2	64.7	71.8	74.0	74.2	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 5000	1.7	55.0	65.7	72.8	75.0	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4500	1.7	56.2	66.9	74.2	76.4	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4000	1.7	56.8	67.7	75.2	77.6	78.0	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	1.7	56.9	67.8	75.3	77.7	78.1	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3000	1.7	58.6	69.9	78.3	80.9	81.4	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	1.7	59.0	70.6	79.2	81.8	82.3	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	1.7	59.7	71.7	80.4	83.1	83.8	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1800	1.7	59.9	72.0	80.9	83.6	84.2	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1500	1.7	60.7	73.8	83.0	85.9	86.6	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1200	1.7	61.2	74.9	84.1	87.2	87.9	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	1.7	61.4	75.3	84.7	88.3	89.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 900	1.7	61.9	76.0	85.3	89.0	89.9	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 800	1.7	62.4	76.8	86.2	90.2	91.3	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 700	1.7	63.1	77.6	87.0	91.3	92.4	94.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	1.7	63.6	78.0	87.6	92.1	93.2	95.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	1.7	63.6	78.1	88.0	92.9	94.0	96.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	1.7	63.6	78.1	88.0	93.0	94.2	96.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	1.7	63.6	78.1	88.1	93.2	94.4	96.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	1.7	63.6	78.1	88.1	93.2	94.4	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 100	1.7	63.6	78.1	88.1	93.2	94.4	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 0	1.7	63.6	78.1	88.1	93.2	94.4	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1200-1400

CEILING IN FEET		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY			
		1	10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	FROM HOURLY OBSERVATIONS			
NO CEIL	1	1.3	48.6	54.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8				
GE 20000	1	1.7	55.9	63.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7				
GE 18000	1	1.7	55.9	63.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7				
GE 16000	1	1.7	55.9	63.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7				
GE 14000	1	1.7	57.1	64.3	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2				
GE 12000	1	1.7	58.7	66.2	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2				
GE 10000	1	1.7	60.7	68.6	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7				
GE 9000	1	1.7	60.8	66.7	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8				
GE 8000	1	1.7	64.1	72.2	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9				
GE 7000	1	1.7	65.4	73.6	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2				
GE 6000	1	1.7	66.0	74.1	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8				
GE 5000	1	1.7	67.0	75.1	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8				
GE 4500	1	1.7	67.7	75.8	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8				
GE 4000	1	1.7	68.7	76.9	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9				
GE 3500	1	1.7	70.1	78.4	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4				
GE 3000	1	1.7	73.8	83.0	86.2	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1				
GE 2500	1	1.7	75.3	84.8	88.3	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3				
GE 2000	1	1.7	76.0	86.0	90.0	90.9	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4				
GE 1800	1	1.7	76.2	86.3	90.3	91.2	91.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8				
GE 1500	1	1.7	77.1	87.3	91.3	92.8	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3				
GE 1200	1	1.7	77.7	88.4	92.4	94.3	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9				
GE 1000	1	1.7	78.1	89.0	93.4	95.4	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0				
GE 900	1	1.7	78.3	89.3	93.8	96.0	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6				
GE 800	1	1.7	78.8	89.9	94.3	96.7	96.8	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6				
GE 700	1	1.7	79.2	90.3	94.9	97.6	97.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6				
GE 600	1	1.7	79.2	90.3	95.1	97.9	98.0	98.8	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4				
GE 500	1	1.7	79.2	90.4	95.4	98.2	98.3	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9				
GE 400	1	1.7	79.2	90.6	95.6	98.3	98.4	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
GE 300	1	1.7	79.2	90.6	95.6	98.3	98.4	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
GE 200	1	1.7	79.2	90.6	95.6	98.3	98.4	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
GE 100	1	1.7	79.2	90.6	95.6	98.3	98.4	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
GE 0	1	1.7	79.2	90.6	95.6	98.3	98.4	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0				

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 1500-1700

		PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS															
		VISIBILITY IN STATUTE MILES															
CEILING IN FEET	1 10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	1	1.6	49.4	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 20000	1	2.3	60.1	66.7	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 18000	1	2.3	60.2	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	1	2.3	60.2	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 14000	1	2.3	60.9	67.4	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 12000	1	2.3	62.1	68.8	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 10000	1	2.6	65.3	72.4	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 9000	1	2.6	65.6	72.7	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 8000	1	2.6	69.6	77.0	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 7000	1	2.6	70.8	78.6	80.2	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 6000	1	2.6	71.6	79.4	81.1	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 5000	1	2.6	72.4	80.3	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4500	1	2.6	73.0	81.1	83.0	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 4000	1	2.6	74.0	82.3	84.2	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 3500	1	2.6	75.1	83.6	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3000	1	2.6	77.1	86.6	88.9	89.8	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500	1	2.6	78.2	88.1	90.7	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2000	1	2.7	79.0	89.2	92.3	93.2	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	1	2.7	79.1	89.3	92.4	93.3	93.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	1	2.8	79.2	89.4	92.6	93.7	93.9	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	1	2.8	80.3	90.6	93.7	95.1	95.4	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	1	2.8	80.7	90.9	94.3	95.9	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	1	2.8	81.1	91.4	94.9	96.6	96.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	1	2.8	81.4	91.6	95.4	97.1	97.4	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	1	2.8	81.7	92.0	95.7	97.7	98.1	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	1	2.8	81.7	92.1	95.9	97.9	98.3	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	1	2.8	81.8	92.3	96.1	98.1	98.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	2.8	81.8	92.3	96.1	98.1	98.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	2.8	81.8	92.3	96.1	98.1	98.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	2.8	81.8	92.3	96.1	98.1	98.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	2.8	81.8	92.3	96.1	98.1	98.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	2.8	81.8	92.3	96.1	98.1	98.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1000-2000

CEILING IN FEET		VISIBILITY IN STATUTE MILES												GE			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL		2.6	55.2	59.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 20000	2.8	62.2	67.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 18000	2.8	62.3	67.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 16000	2.8	62.3	67.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 14000	2.8	64.0	69.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 12000	2.8	65.3	70.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	2.8	69.6	74.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 9000	2.8	69.6	74.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 8000	2.8	72.6	78.2	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 7000	2.8	73.9	79.7	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 6000	2.8	74.4	80.3	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 5000	2.8	75.4	81.6	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4500	2.8	75.9	82.1	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4000	2.8	76.9	83.4	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3500	2.8	78.1	84.8	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3000	2.8	79.9	87.6	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2500	2.9	80.3	88.2	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2000	2.9	81.0	89.4	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1800	2.9	81.0	89.4	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1500	3.0	81.1	89.7	92.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1200	3.0	81.8	90.7	93.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	3.0	81.8	90.7	93.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 900	3.0	82.3	91.2	94.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 800	3.0	82.7	91.6	94.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	3.0	83.1	92.0	95.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	3.0	83.2	92.1	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	3.0	83.3	92.2	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 400	3.0	83.3	92.2	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300	3.0	83.3	92.2	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 200	3.0	83.3	92.2	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 100	3.0	83.3	92.2	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 01	3.0	83.3	92.2	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930										STATION NAME: SIMMONS AAF/FT BRAGG NC										PERIOD OF RECORD: 77-86									
																				MONTH: SEP HOURS(IST): 2100-2300									
CEILING										VISIBILITY IN STATUTE MILES																			
IN	FEET	1	GE	10	6	GE	5	GE	4	GE	3	GE	2	1/2	GE	1	1/4	GE	1	3/4	GE	5/8	1/2	GE	5/16	1/4	GE	0	
NO	CEIL	1	2.6	50.3	63.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE	20000	2.7	64.1	67.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
GE	18000	2.7	64.1	67.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
GE	16000	2.7	64.1	67.6	66.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
GE	14000	2.7	64.8	68.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE	12000	2.7	65.7	69.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE	10000	2.7	69.3	73.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GE	9000	2.7	69.6	73.3	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
GE	8000	2.7	73.1	77.4	78.9	79.1	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	
GE	7000	2.7	74.8	79.1	80.6	80.9	80.9	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	
GE	6000	2.7	75.2	79.6	81.0	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
GE	5000	2.7	76.0	80.4	82.1	82.4	82.4	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
GE	4500	2.7	76.8	81.3	83.0	83.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE	4000	2.7	78.4	83.6	85.2	85.7	85.7	85.7	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
GE	3500	2.8	79.1	84.3	86.0	86.4	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
GE	3000	2.8	81.4	87.0	89.0	89.6	89.6	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	
GE	2500	2.8	82.2	88.1	90.3	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	
GE	2000	2.8	83.3	89.4	91.9	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
GE	1600	2.8	83.6	89.8	92.2	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GE	1500	2.9	84.2	90.9	93.3	94.1	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	
GE	1200	2.9	84.8	91.4	93.9	94.7	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
GE	1000	2.9	85.0	91.7	94.3	95.1	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
GE	900	2.9	85.2	92.1	94.9	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
GE	800	2.9	85.7	92.6	95.4	96.2	96.2	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE	700	2.9	86.1	93.0	95.9	97.1	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE	600	2.9	86.1	93.0	96.0	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE	500	2.9	86.3	93.2	96.2	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE	400	2.9	86.4	93.3	96.3	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
GE	300	2.9	86.4	93.3	96.3	97.8	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE	200	2.9	86.4	93.3	96.3	97.8	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE	100	2.9	86.4	93.3	96.3	97.8	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE	01	2.9	86.4	93.3	96.3	97.8	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): ALL

CEILING		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86			
IN		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	MONTH: SEP HOURS(LST): ALL			
FEET		1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0		
NO CEIL	1	1.6	49.3	54.5	57.1	58.5	58.7	59.2	59.4	59.4	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.7	59.7		
GE 20000	1	1.8	54.2	60.1	62.9	64.3	64.6	65.1	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.8		
GE 18000	1	1.8	54.2	60.2	62.9	64.4	64.6	65.2	65.5	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.8		
GE 16000	1	1.8	54.2	60.2	62.9	64.4	64.7	65.2	65.5	65.5	65.5	65.5	65.7	65.7	65.7	65.8	65.8	65.8	65.9		
GE 14000	1	1.8	54.9	61.0	63.8	65.4	65.6	66.2	66.4	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.8	66.8		
GE 12000	1	1.8	56.0	62.1	65.0	66.6	66.9	67.5	67.7	67.7	67.7	67.7	67.9	68.0	68.0	68.0	68.0	68.1	68.1		
GE 10000	1	1.8	58.9	65.3	68.4	70.1	70.3	70.9	71.2	71.3	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.7		
GE 9000	1	1.8	59.1	65.5	68.6	70.3	70.6	71.3	71.5	71.5	71.5	71.5	71.6	71.8	71.8	71.9	71.9	71.9	72.0		
GE 8000	1	1.9	62.7	69.5	73.1	75.0	75.3	76.0	76.3	76.4	76.4	76.4	76.6	76.6	76.6	76.7	76.7	76.8	76.8		
GE 7000	1	1.9	63.8	70.7	74.4	76.3	76.7	77.3	77.7	77.8	77.8	77.8	78.0	78.1	78.1	78.1	78.1	78.2	78.3		
GE 6000	1	1.9	64.4	71.3	75.0	76.9	77.3	78.0	78.4	78.5	78.5	78.5	78.7	78.8	78.8	78.8	78.8	78.9	78.9		
GE 5000	1	1.9	65.3	72.4	76.2	78.2	78.6	79.3	79.7	79.8	79.8	79.8	80.0	80.1	80.1	80.1	80.1	80.2	80.3		
GE 4500	1	1.9	66.0	73.2	77.1	79.1	79.5	80.3	80.7	80.8	80.8	80.8	81.0	81.0	81.0	81.1	81.1	81.2	81.2		
GE 4000	1	1.9	67.0	74.4	78.4	80.4	80.9	81.6	82.1	82.1	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.6	82.6		
GE 3500	1	1.9	67.8	75.3	79.3	81.3	81.8	82.5	83.0	83.1	83.1	83.1	83.3	83.3	83.3	83.4	83.4	83.5	83.5		
GE 3000	1	1.9	69.6	77.6	82.0	84.3	84.8	85.6	86.1	86.2	86.2	86.2	86.4	86.5	86.5	86.6	86.6	86.7	86.7		
GE 2500	1	1.9	70.3	78.6	83.2	85.5	86.0	86.9	87.4	87.5	87.5	87.5	87.7	87.8	87.8	87.9	87.9	88.0	88.0		
GE 2000	1	1.9	71.1	79.7	84.6	87.1	87.7	88.6	89.2	89.3	89.3	89.3	89.6	89.7	89.7	89.7	89.8	89.9	89.9		
GE 1800	1	1.9	71.2	79.8	84.8	87.3	87.8	88.8	89.4	89.5	89.5	89.5	89.8	89.9	89.9	89.9	90.0	90.1	90.1		
GE 1500	1	2.0	71.7	80.6	85.7	88.4	88.9	89.9	90.5	90.6	90.6	90.6	90.9	91.0	91.0	91.1	91.1	91.2	91.2		
GE 1200	1	2.0	72.4	81.5	86.6	89.5	90.1	91.1	91.7	91.9	91.9	91.9	92.1	92.2	92.2	92.3	92.3	92.4	92.4		
GE 1000	1	2.0	72.7	81.8	87.2	90.2	90.8	91.9	92.7	92.8	92.8	92.8	93.1	93.2	93.2	93.2	93.3	93.4	93.4		
GE 900	1	2.0	72.9	82.2	87.6	90.6	91.3	92.5	93.3	93.4	93.4	93.4	93.7	93.8	93.8	93.8	93.9	94.0	94.0		
GE 800	1	2.0	73.5	82.9	88.4	91.6	92.3	93.6	94.4	94.5	94.5	94.5	94.8	94.9	94.9	95.0	95.0	95.1	95.1		
GE 700	1	2.0	73.9	83.3	88.9	92.4	93.1	94.6	95.5	95.7	95.7	95.7	96.0	96.1	96.1	96.2	96.3	96.3	96.3		
GE 600	1	2.0	74.2	83.6	89.3	93.0	93.8	95.4	96.4	96.6	96.6	96.6	96.9	97.0	97.0	97.1	97.2	97.2	97.2		
GE 500	1	2.0	74.3	83.8	89.6	93.5	94.4	96.2	97.4	97.6	97.6	97.6	97.9	98.0	98.0	98.1	98.2	98.3	98.3		
GE 400	1	2.0	74.3	83.9	89.7	93.7	94.7	96.6	97.8	98.1	98.1	98.1	98.5	98.6	98.6	98.7	98.8	98.9	98.9		
GE 300	1	2.0	74.3	83.9	89.8	93.8	94.7	96.7	98.0	98.3	98.3	98.3	98.7	98.8	98.8	99.1	99.2	99.3	99.3		
GE 200	1	2.0	74.3	84.0	89.8	93.8	94.8	96.8	98.2	98.5	98.5	98.5	98.9	99.1	99.2	99.4	99.5	99.7	99.8		
GE 100	1	2.0	74.3	84.0	89.8	93.8	94.8	96.8	98.2	98.5	98.5	98.5	98.9	99.1	99.2	99.5	99.6	99.8	100.0		
GE 0	1	2.0	74.3	84.0	89.8	93.8	94.8	96.8	98.2	98.5	98.5	98.5	98.9	99.1	99.2	99.5	99.6	99.8	100.0		

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																	
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0		
NO	CEIL	2.3	59.4	62.4	62.9	63.9	63.9	63.9	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.4		
GE	2000	2.3	62.6	65.7	64.2	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.7		
GE	1800	2.3	62.6	65.7	66.2	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.7		
GE	1600	2.3	62.6	65.7	66.2	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.7		
GE	1400	2.3	62.9	66.0	66.6	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.8	67.8	67.8	67.8	68.1		
GE	1200	2.3	63.7	66.8	67.3	68.3	68.3	68.3	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.8		
GE	1000	2.4	65.8	70.0	70.5	71.6	71.6	71.6	71.6	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.2		
GE	900	2.4	66.8	70.0	70.5	71.6	71.6	71.6	71.6	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.2		
GE	800	2.6	69.8	73.4	74.3	75.5	75.5	75.5	75.5	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.1		
GE	700	2.7	71.0	74.6	75.5	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.3		
GE	600	2.7	71.4	75.1	75.9	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.7		
GE	500	2.7	72.7	76.3	77.2	78.5	78.5	78.5	78.5	78.8	78.8	78.8	78.9	78.9	78.9	78.9	79.1		
GE	400	2.7	73.1	76.9	77.7	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.7		
GE	300	2.7	74.8	78.7	79.6	81.2	81.2	81.2	81.2	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.8		
GE	200	2.7	75.5	79.5	80.5	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.6		
GE	100	2.7	77.8	82.0	83.1	84.7	84.7	84.7	84.7	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.5		
GE	2000	2.7	78.4	82.6	83.7	85.5	85.5	85.5	85.5	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.3		
GE	1800	2.7	79.2	83.5	84.6	86.6	86.6	86.6	86.6	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.4		
GE	1600	2.7	79.8	84.1	85.2	87.2	87.2	87.2	87.2	87.7	87.7	87.7	87.8	87.8	87.8	87.8	88.1		
GE	1400	2.7	81.4	85.7	86.8	88.8	88.8	88.8	88.8	89.1	89.1	89.1	89.6	89.6	89.6	89.6	89.8		
GE	1200	2.7	82.4	86.7	88.0	90.1	90.1	90.1	90.1	90.5	90.5	90.5	91.0	91.0	91.0	91.0	91.2		
GE	1000	2.7	83.0	87.5	88.9	91.4	91.4	91.4	91.4	91.8	91.8	91.8	92.4	92.4	92.4	92.4	92.7		
GE	900	2.7	83.0	87.5	88.9	91.4	91.4	91.4	91.4	91.8	91.8	91.8	92.4	92.4	92.4	92.4	92.7		
GE	800	2.7	83.2	88.0	89.4	92.0	92.0	92.0	92.0	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.7		
GE	700	2.7	83.4	88.2	89.7	92.5	92.5	92.5	92.5	93.5	93.5	93.5	93.8	93.8	93.8	93.8	94.2		
GE	600	2.7	83.5	88.3	89.8	92.7	92.7	92.7	92.7	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.5		
GE	500	2.7	83.9	88.7	90.5	93.7	93.7	93.7	93.7	94.9	94.9	94.9	95.7	95.7	95.7	95.7	96.1		
GE	400	2.7	83.9	88.7	90.5	94.0	94.0	94.0	94.0	95.9	95.9	95.9	96.8	96.8	96.8	96.8	97.2		
GE	300	2.7	83.9	88.8	90.6	94.1	94.1	94.1	94.1	96.1	96.1	96.1	97.5	97.5	97.5	97.5	97.8		
GE	200	2.7	83.9	88.8	90.6	94.1	94.1	94.1	94.1	96.2	96.2	96.2	98.1	98.1	98.1	98.1	98.5		
GE	100	2.7	83.9	88.6	90.6	94.1	94.1	94.1	94.1	96.2	96.2	96.2	98.2	98.2	98.2	98.2	98.9		
GE	CI	2.7	83.9	88.8	90.6	94.1	94.1	94.1	94.1	96.2	96.2	96.2	98.2	98.2	98.2	98.2	100.0		

TOTAL NUMBER OF OBSERVATIONS: 930







GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES																TOTAL			
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0					
NO CEIL	1-2	47.7	52.9	55.3	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.0					
GE 20000	1-2	52.6	58.0	60.5	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4					
GE 18000	1-2	52.7	58.1	60.6	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.5	61.5	61.5					
GE 16000	1-2	53.0	58.4	61.0	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.8	61.8	61.8					
GE 14000	1-2	53.5	59.1	61.7	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.6	62.6	62.6					
GE 12000	1-2	55.5	61.3	63.9	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.7	64.7	64.7					
GE 10000	1-2	58.4	64.4	67.2	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.3	68.3	68.3					
GE 9000	1-2	58.5	64.5	67.3	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.4	68.4	68.4					
GE 8000	1-2	61.6	68.3	71.3	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.4	72.4	72.4					
GE 7000	1-2	62.7	69.5	72.5	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.5	73.5	73.5					
GE 6000	1-2	63.0	69.9	72.9	73.7	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.1	74.1	74.1					
GE 5000	1-2	64.0	71.0	74.0	74.7	74.8	74.9	74.9	74.9	74.9	74.9	75.0	75.1	75.2	75.2	75.2					
GE 4500	1-2	64.8	71.8	74.8	75.7	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.1	76.1	76.1					
GE 4000	1-2	65.5	72.6	75.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.4	77.4	77.4					
GE 3500	1-2	65.8	73.1	76.5	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2					
GE 3000	1-2	67.2	74.9	78.4	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.2	80.2	80.2					
GE 2500	1-2	68.3	76.1	79.7	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.5	81.5	81.5					
GE 2000	1-2	69.4	77.2	80.8	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.7	82.7	82.7					
GE 1800	1-2	69.9	77.7	81.4	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.3	83.3	83.3					
GE 1600	1-2	71.8	80.4	84.4	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.6	86.6	86.6					
GE 1400	1-2	73.0	81.6	85.7	87.3	87.5	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.1	88.1	88.1					
GE 1200	1-2	73.7	82.9	87.2	89.1	89.5	89.7	89.8	89.8	89.8	89.8	89.9	89.9	90.0	90.0	90.0					
GE 1000	1-2	74.1	83.3	87.6	89.6	89.9	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.5	90.5	90.5					
GE 900	1-2	74.3	84.3	88.6	91.2	91.6	92.4	92.6	92.6	92.6	92.6	92.7	92.7	92.8	92.8	92.8					
GE 800	1-2	74.7	84.8	89.4	92.3	93.0	94.3	94.6	94.7	94.8	94.8	94.9	94.9	95.1	95.1	95.1					
GE 700	1-2	75.1	85.3	89.9	93.0	93.8	95.3	95.6	95.8	95.9	95.9	96.0	96.0	96.1	96.1	96.1					
GE 600	1-2	75.3	85.5	90.2	94.0	94.8	96.7	97.2	97.4	97.5	97.6	97.7	97.7	97.8	97.8	97.8					
GE 500	1-2	75.4	85.6	90.3	94.3	95.3	97.4	98.1	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9					
GE 400	1-2	75.4	85.6	90.3	94.3	95.4	97.5	98.1	98.6	98.9	99.0	99.1	99.2	99.4	99.4	99.4					
GE 300	1-2	75.4	85.6	90.3	94.3	95.4	97.6	98.5	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7					
GE 200	1-2	75.4	85.6	90.3	94.3	95.4	97.6	98.5	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7					
GE 100	1-2	75.4	85.6	90.3	94.3	95.4	97.6	98.5	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7					
GE	01	75.4	85.6	90.3	94.3	95.4	97.6	98.5	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7					

TOTAL NUMBER OF OBSERVATIONS: 430



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(1ST): 1500-1700

CEILING IN FEET		VISIBILITY IN STATUTE MILES																			
		10	GE	6	GE	5	GE	4	GE	3	GE	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	5.3	58.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 20000	1	5.6	64.9	65.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 18000	1	5.6	65.2	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 16000	1	5.6	65.3	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 14000	1	5.6	66.6	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 12000	1	5.6	68.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 10000	1	5.6	71.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 9000	1	5.6	71.4	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 8000	1	5.7	76.1	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 7000	1	5.7	77.3	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 6000	1	5.7	78.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 5000	1	5.7	80.5	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4500	1	5.7	81.1	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4000	1	5.8	82.6	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	1	5.8	83.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3000	1	5.8	85.6	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2500	1	5.8	87.1	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2000	1	5.8	89.2	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	1	5.8	89.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1600	1	5.8	90.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	1	5.8	90.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1200	1	5.8	90.8	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1000	1	5.8	91.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 900	1	5.8	91.2	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	1	5.8	91.2	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	1	5.8	91.3	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 600	1	5.8	91.3	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 500	1	5.8	91.4	93.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 400	1	5.8	91.5	93.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 300	1	5.8	91.5	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 200	1	5.8	91.5	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 100	1	5.8	91.5	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 01	5.8	91.5	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET		10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NO CEIL	1	4.7	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 20000	1	5.1	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 18000	1	5.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 16000	1	5.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 14000	1	5.1	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 12000	1	5.1	71.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 10000	1	5.1	74.0	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 9000	1	5.1	74.0	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 8000	1	5.1	74.0	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 7000	1	5.5	80.2	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 6000	1	5.8	80.8	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 5000	1	5.8	82.6	83.5	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4500	1	5.8	83.7	84.6	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4000	1	5.8	85.9	86.9	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 3500	1	5.8	86.3	87.4	87.6	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3000	1	5.8	88.7	89.8	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 2500	1	5.8	89.6	90.6	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	1	5.8	90.2	91.5	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800	1	5.8	90.3	91.6	91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	1	5.8	91.4	92.7	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1200	1	5.8	91.6	93.1	93.3	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	1	5.8	91.8	93.3	93.9	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	1	5.8	92.0	93.5	94.1	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 800	1	5.8	92.3	93.8	94.3	95.6	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	1	5.8	92.5	94.0	94.5	96.0	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	1	5.8	92.6	94.1	94.8	96.6	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	1	5.8	92.6	94.2	95.4	97.3	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	1	5.8	92.6	94.2	95.4	97.3	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	1	5.8	92.6	94.2	95.5	97.5	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 200	1	5.8	92.6	94.2	95.5	97.5	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 100	1	5.8	92.6	94.2	95.5	97.5	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 0	1	5.8	92.6	94.2	95.5	97.5	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 930

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(1ST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GE	2000	2.6	53.2	54.4	54.9	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE	1800	2.6	56.0	57.2	57.7	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE	1600	2.6	56.1	57.3	57.8	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE	1400	2.6	56.1	57.3	57.8	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE	1200	2.6	57.7	58.9	59.3	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE	1000	2.6	61.6	63.0	63.4	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE	900	2.6	62.1	63.3	63.8	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE	800	2.6	67.1	68.3	68.8	69.6	69.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE	700	2.6	67.7	68.9	69.3	70.1	70.1	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE	600	2.6	68.2	69.4	69.9	70.7	70.7	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE	500	2.6	70.1	71.3	71.9	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE	400	2.6	71.4	72.8	73.3	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE	300	2.6	73.2	74.6	75.3	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE	200	2.6	73.9	75.3	76.1	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE	100	2.6	75.1	76.8	77.9	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE	2500	2.6	76.2	77.9	79.0	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE	2000	2.6	77.0	78.6	80.1	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE	1800	2.6	77.1	78.9	80.2	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE	1600	2.6	78.2	80.1	81.4	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE	1400	2.6	78.6	80.4	81.8	83.7	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE	1200	2.6	79.9	81.6	83.5	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE	1000	2.6	80.8	82.7	84.3	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE	900	2.6	81.1	82.8	84.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE	800	2.6	81.1	82.8	84.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE	700	2.6	81.3	83.1	84.7	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE	600	2.6	81.6	83.4	85.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE	500	2.6	82.7	84.5	86.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE	400	2.6	82.7	84.5	86.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE	300	2.6	82.7	84.5	86.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE	200	2.6	82.7	84.5	86.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE	100	2.6	82.7	84.5	86.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE	0	2.6	80.4	82.7	85.2	88.7	88.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8

TOTAL NUMBER OF OBSERVATIONS: 600







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(UT): 0900-1100

CEILING IN FEET	1	2	3	4	5	6	10	VISIBILITY IN STATUTE MILES										PERIOD OF RECORD: 77-86			
								GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
								1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4	1/2	3/4	1	1/4
NO CEIL	2.1	43.1	45.6	46.1	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 20000	2.4	46.6	49.9	53.0	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 18000	2.4	46.6	49.9	53.0	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 16000	2.4	46.6	49.9	53.0	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 14000	2.4	47.0	50.6	53.7	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 12000	2.6	48.1	52.1	55.2	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 10000	2.6	50.4	55.2	58.6	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 9000	2.6	50.7	55.4	58.9	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 8000	2.6	53.4	58.7	62.3	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 7000	2.6	53.7	59.0	63.0	64.0	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 6000	2.6	54.4	59.9	63.9	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 5000	2.6	54.7	60.2	64.3	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 4500	2.6	55.0	60.7	65.2	66.6	66.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4000	2.7	56.7	62.7	67.3	68.9	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3500	2.7	56.7	63.0	67.7	69.4	69.4	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3000	2.7	58.4	64.9	70.0	72.1	72.1	72.1	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 2500	2.7	59.4	66.1	71.3	73.4	73.4	73.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 2000	2.7	60.2	66.9	72.2	74.6	74.6	74.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 1800	2.7	60.3	67.0	72.4	74.9	74.9	74.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 1500	2.7	61.4	68.4	74.2	76.7	76.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 1200	2.7	62.1	69.3	75.6	78.0	78.0	78.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 1000	2.7	63.1	70.8	77.6	80.3	80.3	80.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 900	2.7	63.3	71.0	77.9	81.0	81.0	81.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 800	2.7	63.9	71.8	78.9	82.3	82.3	82.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 700	2.7	64.0	72.0	79.7	83.3	83.3	83.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 600	2.7	64.1	72.3	80.4	84.6	84.6	84.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 500	2.7	64.1	72.4	81.6	85.9	85.9	85.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 400	2.7	64.1	72.4	81.9	86.4	86.4	86.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 300	2.7	64.1	72.4	81.9	86.4	86.4	86.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 200	2.7	64.1	72.4	81.9	86.4	86.4	86.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 100	2.7	64.1	72.4	81.9	86.4	86.4	86.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 0	2.7	64.1	72.4	81.9	86.4	86.4	86.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE FREQUENCY				
IN	FEET	1	10	GE	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO	CEIL	1	3.4	50.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE	20000	3.8	57.6	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE	18000	3.8	57.7	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE	16000	3.8	57.7	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE	14000	3.8	58.8	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE	12000	3.8	59.6	60.9	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE	10000	3.8	62.8	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE	9000	3.8	62.9	64.4	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE	8000	3.8	66.6	68.3	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE	7000	3.8	67.0	68.9	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE	6000	3.8	67.6	69.7	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE	5000	3.8	68.2	70.6	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE	4500	3.9	69.2	71.7	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE	4000	3.9	70.2	72.7	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE	3500	3.9	71.8	74.2	75.4	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE	3000	4.1	73.4	76.2	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE	2500	4.1	73.7	76.6	78.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE	2000	4.1	74.9	78.0	79.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE	1800	4.1	75.2	78.7	80.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	1500	4.1	76.7	80.3	82.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE	1200	4.1	77.1	80.9	83.1	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	1000	4.1	77.6	82.3	85.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE	900	4.1	77.7	82.9	85.9	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE	800	4.1	77.8	83.3	86.7	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE	700	4.1	77.8	83.7	87.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE	600	4.1	78.1	84.0	88.2	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE	500	4.1	78.1	84.2	89.1	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE	400	4.1	78.1	84.3	89.4	93.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE	300	4.1	78.1	84.3	89.6	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	200	4.1	78.1	84.3	89.6	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	100	4.1	78.1	84.3	89.6	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	0	4.1	78.1	84.3	89.6	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 7469JD STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

		VISIBILITY IN STATUTE MILES																			
CEILING		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET		10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	1/4	0
NO CEIL		3.9	51.1	51.6	54.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 20000	4.0	60.4	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 18000	4.1	60.6	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 16000	4.1	60.6	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 14000	4.1	61.2	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 12000	4.3	63.0	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	4.3	66.8	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 9000	4.3	67.1	67.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 8000	4.3	69.6	70.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 7000	4.3	70.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 6000	4.3	71.2	72.2	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 5000	4.4	72.3	73.6	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 4500	4.6	73.0	74.2	75.0	75.0	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	4.6	73.9	75.2	76.1	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 3500	4.6	75.0	76.3	77.2	77.2	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3000	4.7	78.1	79.7	80.8	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 2500	4.7	79.1	80.8	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2000	4.7	81.0	82.9	84.1	84.1	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1800	4.7	81.1	83.0	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1500	4.7	82.7	84.6	86.2	86.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1200	4.7	82.9	85.3	87.2	87.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1000	4.7	83.1	85.6	87.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 900	4.7	83.2	85.9	87.8	87.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 800	4.7	83.4	86.1	88.1	88.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	4.7	84.1	86.8	88.9	88.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 600	4.7	84.1	86.8	89.2	89.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 500	4.7	84.2	87.1	89.7	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 400	4.7	84.2	87.1	89.9	89.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 300	4.7	84.2	87.2	90.1	90.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 200	4.7	84.2	87.2	90.1	90.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 100	4.7	84.2	87.2	90.1	90.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 0	4.7	84.2	87.2	90.1	90.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1800-2000

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	U
NO CEIL	4.1	53.8	54.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 20000	4.1	58.7	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 18000	4.1	58.7	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 16000	4.1	58.7	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 14000	4.1	59.7	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 12000	4.1	61.1	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	4.1	65.0	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 9000	4.1	65.7	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 8000	4.1	69.8	70.8	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 7000	4.1	70.0	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 6000	4.1	70.4	71.4	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 5000	4.1	72.0	73.1	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4500	4.1	73.9	75.0	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000	4.1	76.2	77.4	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 3500	4.2	77.8	79.0	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	4.2	81.1	82.6	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2500	4.2	81.2	82.7	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2000	4.2	82.7	84.6	85.8	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	4.2	82.9	84.8	86.0	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1500	4.2	83.3	85.3	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1200	4.2	83.4	85.6	87.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1000	4.2	84.0	86.1	88.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 900	4.2	84.0	86.1	88.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 800	4.2	84.2	86.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 700	4.2	85.1	87.7	89.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 600	4.2	85.2	88.0	90.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 500	4.2	85.3	88.1	90.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 400	4.2	85.3	88.3	90.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 300	4.2	85.3	88.3	90.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 200	4.2	85.3	88.3	90.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 100	4.2	85.3	88.3	90.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 0	4.2	85.3	88.3	90.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(1ST): ALL

VISIBILITY IN STATUTE MILES

CEILING IN FEET	10	6	5	4	3	2	1 1/2	1	1/4	1/2	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	3.1	49.7	51.0	51.9	52.4	52.5	52.7	52.8	52.8	53.0	53.1	53.1	53.3	53.3	53.4	53.5
GE 20000	3.2	53.9	55.4	56.6	57.2	57.3	57.4	57.6	57.6	57.7	57.9	57.9	58.1	58.1	58.2	58.3
GE 18000	3.2	53.9	55.5	56.6	57.2	57.3	57.5	57.6	57.6	57.8	57.9	57.9	58.1	58.1	58.2	58.3
GE 16000	3.2	53.9	55.5	56.6	57.2	57.3	57.5	57.6	57.6	57.8	57.9	57.9	58.1	58.1	58.2	58.3
GE 14000	3.2	54.3	56.0	57.1	57.7	57.8	57.9	58.1	58.1	58.3	58.4	58.4	58.6	58.6	58.7	58.8
GE 12000	3.2	55.7	57.4	58.6	59.2	59.3	59.4	59.6	59.6	59.7	59.9	59.9	60.1	60.1	60.2	60.3
GE 10000	3.2	58.9	60.9	62.1	62.8	62.9	63.1	63.3	63.3	63.4	63.6	63.6	63.8	63.8	63.9	64.1
GE 9000	3.2	59.3	61.3	62.5	63.2	63.3	63.5	63.6	63.7	63.8	64.0	64.0	64.2	64.2	64.3	64.4
GE 8000	3.2	63.0	65.2	66.6	67.4	67.5	67.7	67.9	68.0	68.1	68.3	68.3	68.5	68.5	68.6	68.8
GE 7000	3.2	63.5	65.8	67.2	68.0	68.1	68.3	68.6	68.6	68.8	68.9	68.9	69.1	69.2	69.3	69.4
GE 6000	3.2	64.1	66.4	67.8	68.7	68.8	69.1	69.3	69.3	69.5	69.6	69.7	69.8	69.9	70.0	70.1
GE 5000	3.3	65.3	67.7	69.3	70.2	70.4	70.6	70.8	70.9	71.1	71.2	71.2	71.4	71.5	71.5	71.7
GE 4500	3.3	66.5	68.9	70.6	71.6	71.8	72.0	72.3	72.3	72.5	72.6	72.7	72.8	72.9	73.0	73.1
GE 4000	3.3	68.1	70.6	72.4	73.6	73.8	74.0	74.3	74.3	74.5	74.7	74.7	74.9	75.0	75.1	75.2
GE 3500	3.3	69.1	71.7	73.4	74.7	74.9	75.2	75.4	75.5	75.7	75.8	75.8	76.1	76.1	76.2	76.3
GE 3000	3.3	71.0	73.8	75.8	77.2	77.4	77.8	78.1	78.2	78.4	78.6	78.6	78.8	78.8	78.9	79.1
GE 2500	3.3	71.8	74.6	76.7	78.2	78.4	78.8	79.2	79.2	79.5	79.7	79.7	79.9	80.0	80.1	80.2
GE 2000	3.3	73.0	76.0	78.1	79.8	80.1	80.5	81.0	81.1	81.4	81.6	81.6	81.8	81.9	81.9	82.1
GE 1800	3.3	73.1	76.2	78.4	80.1	80.3	80.8	81.2	81.3	81.6	81.8	81.8	82.1	82.1	82.2	82.3
GE 1500	3.3	74.3	77.5	79.9	81.7	82.0	82.5	83.0	83.1	83.4	83.7	83.7	83.9	84.0	84.1	84.2
GE 1200	3.3	74.6	77.9	80.6	82.5	82.9	83.5	84.1	84.2	84.5	84.8	84.8	85.0	85.1	85.2	85.3
GE 1000	3.3	75.2	78.8	81.6	83.8	84.1	84.8	85.4	85.5	85.9	86.1	86.2	86.4	86.5	86.6	86.7
GE 900	3.3	75.3	79.0	81.9	84.2	84.6	85.3	85.9	86.1	86.5	86.7	86.7	87.0	87.0	87.1	87.3
GE 800	3.3	75.5	79.4	82.3	84.9	85.3	86.2	86.8	87.0	87.4	87.7	87.7	87.9	88.0	88.1	88.3
GE 700	3.3	75.9	80.0	83.2	86.0	86.6	87.5	88.2	88.5	88.9	89.3	89.3	89.5	89.6	89.7	89.9
GE 600	3.3	76.1	80.3	83.8	86.8	87.5	88.7	89.4	89.7	90.2	90.6	90.6	90.9	90.9	91.0	91.2
GE 500	3.3	76.4	80.8	84.6	87.9	88.8	90.4	91.5	91.9	92.6	93.1	93.1	93.5	93.6	93.7	93.8
GE 400	3.3	76.5	80.8	84.8	88.3	89.4	91.4	92.6	93.2	94.2	94.7	94.7	95.2	95.3	95.4	95.6
GE 300	3.3	76.5	80.9	84.9	88.5	89.8	92.1	93.8	94.3	95.6	96.1	96.2	96.8	96.9	97.2	97.4
GE 200	3.3	76.5	80.9	84.9	88.5	89.8	92.2	94.2	94.6	96.1	96.3	96.9	97.9	98.1	98.5	99.0
GE 100	3.3	76.5	80.9	84.9	88.5	89.8	92.2	94.2	94.6	96.2	96.8	97.0	98.1	98.4	99.0	99.8
GE 0	3.3	76.5	80.9	84.9	88.5	89.8	92.2	94.2	94.6	96.2	96.8	97.0	98.1	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAF/AC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																PERCENTAGE			
IN FEET	10	GE		GE		GE		GE		GE		GE		GE		GE		GE		GE	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	1	2.8	58.7	59.8	61.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 20000	1	2.8	61.0	62.1	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 18000	1	2.8	61.0	62.1	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 16000	1	2.8	61.0	62.1	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 14000	1	2.8	61.7	62.8	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 12000	1	2.8	62.1	63.2	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	1	2.9	64.8	65.9	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 9000	1	2.9	65.0	66.1	66.8	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 8000	1	3.0	70.0	71.4	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 7000	1	3.0	70.2	71.6	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 6000	1	3.0	71.5	72.9	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 5000	1	3.0	73.4	74.9	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4500	1	3.0	74.2	75.8	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4000	1	3.0	76.3	77.8	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3500	1	3.0	77.2	78.7	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3000	1	3.0	78.6	80.3	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	1	3.0	80.0	81.7	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 2000	1	3.0	80.9	82.6	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1800	1	3.0	81.0	82.7	83.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1500	1	3.0	82.2	83.9	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1200	1	3.0	82.5	84.7	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1000	1	3.0	83.7	85.5	86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 900	1	3.0	83.7	85.5	86.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 800	1	3.0	83.9	85.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 700	1	3.0	84.9	86.8	87.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 600	1	3.0	85.0	87.0	87.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 500	1	3.0	85.3	87.3	87.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 400	1	3.0	85.4	87.4	87.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 300	1	3.0	85.9	87.8	87.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 200	1	3.0	85.9	87.9	87.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 100	1	3.0	85.9	87.9	87.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 0	1	3.0	85.9	87.9	87.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS: 920



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																HOURS(IST): 0300-0500			
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GE	20000	2.6	54.6	55.4	55.8	56.8	57.0	57.3	57.7	57.7	57.7	56.3	58.5	58.5	58.5	59.0	59.0	59.0	59.0	59.0	54.3
GE	18000	2.6	56.6	57.3	57.8	58.7	59.0	59.3	59.6	59.6	59.6	60.3	60.5	60.5	60.5	60.9	60.9	60.9	60.9	60.9	61.2
GE	16000	2.6	56.6	57.3	57.8	58.7	59.0	59.3	59.6	59.6	59.6	60.3	60.5	60.5	60.5	60.9	60.9	60.9	60.9	60.9	61.2
GE	14000	2.6	56.8	57.5	58.0	59.0	59.2	59.5	59.6	59.6	59.6	60.5	60.7	60.7	60.7	61.1	61.1	61.1	61.1	61.1	61.5
GE	12000	2.6	57.7	58.4	58.8	59.8	60.0	60.4	60.7	60.7	60.7	61.3	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.3
GE	10000	2.6	60.8	61.6	62.0	63.1	63.3	63.6	64.0	64.0	64.0	64.6	64.8	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.6
GE	9000	2.6	60.9	61.7	62.1	63.2	63.4	63.7	64.1	64.1	64.1	64.7	64.9	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.7
GE	8000	2.6	64.8	65.7	66.1	67.2	67.4	67.8	68.1	68.1	68.1	68.7	68.9	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.7
GE	7000	2.6	65.1	66.0	66.4	67.6	67.9	68.2	68.5	68.5	68.5	69.2	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	70.1
GE	6000	2.6	66.0	66.9	67.3	68.5	68.7	69.1	69.4	69.4	69.4	70.0	70.2	70.2	70.7	70.7	70.7	70.7	70.7	70.7	71.1
GE	5000	2.6	67.0	69.1	69.6	71.0	71.2	71.6	71.9	71.9	71.9	72.5	72.7	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.6
GE	4500	2.6	67.0	69.1	69.6	71.0	71.2	71.6	71.9	71.9	71.9	72.5	72.7	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.6
GE	4000	2.6	70.6	71.8	72.5	74.0	74.3	74.7	75.2	75.2	75.2	75.9	76.2	76.2	76.7	76.7	76.7	76.7	76.7	76.7	77.3
GE	3500	2.6	71.3	72.5	73.4	74.9	75.1	75.6	76.1	76.1	76.1	76.8	77.1	77.1	77.5	77.5	77.5	77.5	77.5	77.5	78.2
GE	3000	2.6	72.6	73.9	74.8	76.4	76.7	77.2	77.7	77.7	77.7	78.5	78.8	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.9
GE	2500	2.6	74.0	75.5	76.3	78.2	78.5	79.0	79.6	79.6	79.6	80.3	80.7	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.9
GE	2000	2.6	75.1	76.9	77.9	79.7	80.0	80.6	81.1	81.1	81.1	81.9	82.2	82.2	82.8	82.8	82.8	82.8	82.8	82.8	83.5
GE	1800	2.6	75.1	76.9	77.9	79.7	80.0	80.6	81.1	81.1	81.1	81.9	82.2	82.2	82.8	82.8	82.8	82.8	82.8	82.8	83.5
GE	1500	2.6	75.6	77.5	78.5	80.5	80.8	81.3	81.9	81.9	81.9	82.6	83.0	83.0	83.6	83.6	83.6	83.6	83.6	83.6	84.3
GE	1200	2.6	76.7	78.4	79.6	81.5	81.9	82.5	83.1	83.1	83.1	83.8	84.1	84.1	84.8	84.8	84.8	84.8	84.8	84.8	85.6
GE	1000	2.6	77.7	79.5	80.8	82.7	83.2	84.0	84.7	84.7	84.7	85.5	85.8	85.8	86.4	86.4	86.4	86.4	86.4	86.4	87.2
GE	900	2.6	78.2	79.9	81.3	83.3	83.7	84.6	85.2	85.2	85.2	86.1	86.4	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.8
GE	800	2.6	78.9	80.7	82.1	84.4	84.8	85.7	86.3	86.3	86.3	87.3	87.6	87.6	88.3	88.3	88.3	88.3	88.3	88.3	89.0
GE	700	2.6	79.2	81.2	82.7	85.0	85.5	86.3	87.0	87.0	87.0	87.9	88.3	88.3	88.9	88.9	88.9	88.9	88.9	88.9	89.7
GE	600	2.6	79.6	81.7	83.3	85.7	86.1	87.3	87.9	87.9	87.9	88.9	89.3	89.3	89.9	89.9	89.9	89.9	89.9	89.9	90.7
GE	500	2.6	79.7	81.9	83.7	86.4	87.3	88.6	89.3	89.3	89.3	90.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	92.4
GE	400	2.6	79.7	82.0	84.0	87.3	88.2	89.9	90.7	90.7	90.7	92.2	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	94.0
GE	300	2.6	79.7	82.2	84.3	87.5	88.4	90.2	91.3	91.3	91.3	92.9	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	95.3
GE	200	2.6	79.8	82.3	84.4	87.6	88.5	90.3	91.7	91.7	91.7	93.8	94.8	94.8	96.3	96.3	96.3	96.3	96.3	96.3	97.0
GE	100	2.6	79.8	82.3	84.4	87.6	88.5	90.4	91.9	91.9	91.9	93.9	95.0	95.0	96.7	96.7	96.7	96.7	96.7	96.7	97.5
GE	01	2.6	79.8	82.3	84.4	87.6	88.5	90.4	91.9	91.9	91.9	93.9	95.0	95.0	96.7	96.7	96.7	96.7	96.7	96.7	97.5
GE	01	2.6	79.8	82.3	84.4	87.6	88.5	90.4	91.9	91.9	91.9	93.9	95.0	95.0	96.7	96.7	96.7	96.7	96.7	96.7	97.5

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES																GE			
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO	CEIL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
GE	20000	2.7	51.5	53.5	54.2	55.3	55.4	55.7	56.2	56.2	56.2	56.8	57.7	57.7	57.7	58.0	58.3	58.4	58.4	59.2	59.2
GE	18000	2.7	51.5	53.5	54.2	55.3	55.4	55.7	56.2	56.2	56.2	56.8	57.7	57.7	57.7	58.0	58.3	58.4	58.4	59.2	59.2
GE	16000	2.7	51.8	53.9	54.5	55.6	55.7	56.0	56.6	56.6	56.6	57.1	58.0	58.0	58.0	58.3	58.6	58.7	59.0	59.5	59.5
GE	14000	2.7	52.0	54.1	54.7	55.8	55.9	56.2	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.5	58.8	59.0	59.0	59.7	59.7
GE	12000	2.7	52.6	54.8	55.5	56.6	56.7	57.0	57.5	57.5	57.5	58.1	59.0	59.0	59.0	59.3	59.6	59.7	59.7	60.5	60.5
GE	10000	2.8	55.8	57.9	58.5	59.6	59.7	60.0	60.6	60.6	60.6	61.1	62.0	62.0	62.0	62.3	62.6	62.8	63.0	63.5	63.5
GE	9000	2.8	56.0	58.1	58.7	59.8	59.9	60.3	60.8	60.8	60.8	61.3	62.2	62.2	62.2	62.5	62.9	63.0	63.7	63.7	63.7
GE	8000	2.8	59.5	61.7	62.3	63.4	63.5	63.8	64.4	64.4	64.4	64.9	66.0	66.0	66.0	66.3	66.7	66.8	67.5	67.5	67.5
GE	7000	2.8	60.0	62.2	62.9	64.0	64.1	64.4	64.9	64.9	64.9	65.5	66.6	66.6	66.6	66.9	67.2	67.3	68.2	68.2	68.2
GE	6000	2.8	60.7	62.9	63.5	64.6	64.7	65.0	65.6	65.6	65.6	66.1	67.3	67.3	67.3	67.6	68.0	68.1	68.9	68.9	68.9
GE	5000	2.8	62.8	65.0	65.7	66.9	67.0	67.4	68.0	68.0	68.0	68.5	69.7	69.7	69.7	70.0	70.4	70.5	71.3	71.3	71.3
GE	4000	2.8	63.7	66.1	67.0	68.3	68.4	68.9	69.5	69.5	69.5	70.0	71.2	71.2	71.2	71.6	71.9	72.0	72.9	72.9	72.9
GE	3000	2.8	65.9	68.6	69.7	71.0	71.3	72.0	72.5	72.5	72.5	73.1	74.3	74.3	74.3	74.6	74.9	75.0	75.9	75.9	75.9
GE	2000	2.8	66.9	69.9	71.1	72.9	73.2	73.8	74.6	74.6	74.6	75.1	76.3	76.3	76.3	76.7	77.0	77.1	78.0	78.0	78.0
GE	1500	2.8	68.2	71.4	72.7	74.5	74.8	75.5	76.2	76.2	76.2	76.8	78.0	78.0	78.0	78.3	78.6	78.7	79.6	79.6	79.6
GE	1000	2.8	69.6	73.1	74.5	76.7	77.0	77.6	78.5	78.5	78.5	79.0	80.2	80.2	80.2	80.6	80.9	81.0	82.0	82.0	82.0
GE	800	2.8	69.6	73.5	74.9	77.1	77.4	78.1	78.9	78.9	78.9	79.5	80.7	80.7	80.7	81.0	81.3	81.4	82.4	82.4	82.4
GE	600	2.8	71.0	74.8	76.2	78.6	78.9	79.6	80.5	80.5	80.5	81.1	82.4	82.4	82.4	82.7	83.1	83.2	84.1	84.1	84.1
GE	400	2.9	71.3	75.1	76.8	79.2	79.5	80.1	81.0	81.0	81.0	81.7	83.0	83.0	83.0	83.3	83.6	83.7	84.7	84.7	84.7
GE	200	2.9	71.9	75.7	77.4	79.8	80.1	81.0	81.9	81.9	81.9	82.6	83.9	83.9	83.9	84.3	84.6	84.7	85.7	85.7	85.7
GE	100	2.9	72.1	76.0	77.7	80.5	80.8	81.7	82.5	82.5	82.5	83.3	84.6	84.6	84.6	84.9	85.2	85.3	86.3	86.3	86.3
GE	800	2.9	72.6	77.0	78.8	81.9	82.3	83.2	84.0	84.0	84.0	84.9	86.2	86.2	86.2	86.5	86.9	87.0	87.9	87.9	87.9
GE	600	2.9	72.9	77.4	79.4	82.7	83.2	84.3	85.1	85.1	85.1	86.0	87.3	87.3	87.3	87.6	87.9	88.1	89.0	89.0	89.0
GE	400	2.9	73.4	78.0	80.0	83.8	84.3	85.3	86.2	86.2	86.2	87.1	88.4	88.4	88.4	88.7	89.0	89.1	90.1	90.1	90.1
GE	200	2.9	73.5	78.2	80.5	84.5	85.2	86.6	87.6	87.6	87.6	88.5	89.8	89.8	89.8	90.1	90.4	90.6	91.5	91.5	91.5
GE	100	2.9	73.7	78.6	81.2	85.5	86.3	88.8	90.4	90.4	90.4	91.7	93.5	93.5	93.5	93.8	94.1	94.8	95.9	95.9	95.9
GE	800	2.9	73.7	78.6	81.2	85.5	86.3	89.3	91.1	91.1	91.1	92.8	94.7	94.7	94.7	95.5	95.9	96.3	96.7	96.7	96.7
GE	600	2.9	73.7	78.6	81.2	85.5	86.3	89.3	91.1	91.1	91.1	92.9	94.8	94.8	94.8	95.7	96.2	96.7	97.7	97.7	97.7
GE	400	2.9	73.7	78.6	81.2	85.5	86.3	89.3	91.1	91.1	91.1	92.9	94.8	94.8	94.8	95.7	96.2	96.7	97.7	97.7	97.7
GE	200	2.9	73.7	78.6	81.2	85.5	86.3	89.3	91.1	91.1	91.1	92.9	94.8	94.8	94.8	95.7	96.2	96.7	97.7	97.7	97.7
GE	100	2.9	73.7	78.6	81.2	85.5	86.3	89.3	91.1	91.1	91.1	92.9	94.8	94.8	94.8	95.7	96.2	96.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 921



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES																			
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2 1/2	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4				
NO CEIL	1	3.7	52.2	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	4.2	60.1	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 18000	4.4	60.5	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	4.5	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 14000	4.7	61.5	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 12000	4.7	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 10000	4.7	64.9	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 9000	4.7	64.9	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 8000	4.9	68.3	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 7000	4.9	69.5	70.0	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 6000	4.9	70.5	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 5000	5.0	72.6	73.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4500	5.1	72.9	73.6	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	5.2	74.7	75.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 3500	5.2	75.5	76.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3000	5.2	77.2	77.9	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 2500	5.3	78.7	79.7	80.6	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2000	5.3	80.4	81.5	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1800	5.3	80.6	81.7	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1500	5.3	81.9	83.2	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1200	5.3	82.4	84.1	85.5	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1000	5.3	82.8	84.6	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 900	5.3	83.0	85.2	87.2	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 800	5.3	83.5	85.9	88.4	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 700	5.3	83.9	86.4	89.1	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 600	5.3	84.1	87.2	90.0	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 500	5.3	84.1	87.8	90.8	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 400	5.3	84.2	87.9	90.9	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 300	5.3	84.2	87.9	90.9	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 200	5.3	84.2	87.9	90.9	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 100	5.3	84.2	87.9	90.9	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 01	5.3	84.2	87.9	90.9	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMRLP OF OBSERVATIONS: 924



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LEST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES																HOURS(LEST): 1800-2000			
IN FEET	1 10	GE		GE		GE		GE		GE		GE		GE		GE		GE		GE	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	1	3.8	59.0	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 20000	4.3	64.5	64.5	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 18000	4.3	64.7	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 16000	4.3	64.7	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 14000	4.3	65.5	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 12000	4.3	66.0	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 10000	4.3	68.9	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 9000	4.3	69.3	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 8000	4.4	72.7	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 7000	4.4	73.2	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 6000	4.4	74.3	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 5000	4.4	77.5	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4500	4.4	79.1	79.3	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 4000	4.4	80.4	80.8	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500	4.4	81.2	81.5	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3000	4.4	84.0	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	4.4	84.5	84.9	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2000	4.4	85.2	85.8	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1800	4.4	85.5	86.2	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1500	4.4	86.8	87.6	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1200	4.4	87.3	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1000	4.4	87.9	88.9	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 900	4.4	88.5	89.6	89.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 800	4.4	89.3	90.5	90.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 700	4.4	89.6	91.1	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 600	4.4	89.9	91.9	91.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 500	4.4	89.9	92.0	92.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 400	4.4	89.9	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 300	4.4	89.9	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 200	4.4	89.9	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 100	4.4	89.9	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE	0	89.9	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS: 910



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST):

CEILING		VISIBILITY IN STATUTE MILES																ALL			
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	GE	GE	GE	GE
1	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1/2	5/8	3/4	1/2
NO	CEIL	1	3.3	54.8	55.5	56.0	56.5	56.5	56.6	56.8	56.8	57.0	57.2	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.6
GE	20000	3.5	59.4	60.3	60.9	61.3	61.4	61.5	61.7	61.7	61.7	61.9	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.6
GE	18000	3.6	59.6	60.5	61.0	61.5	61.6	61.7	61.9	61.9	61.9	62.1	62.3	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.8
GE	16000	3.6	59.7	60.6	61.1	61.6	61.6	61.8	62.0	62.0	62.0	62.2	62.4	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.8
GE	14000	3.6	60.3	61.2	61.7	62.2	62.3	62.4	62.6	62.6	62.6	62.8	63.0	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.5
GE	12000	3.6	60.8	61.7	62.3	62.8	62.8	62.9	63.1	63.1	63.1	63.3	63.5	63.5	63.5	63.6	63.7	63.8	63.8	63.8	64.0
GE	10000	3.7	63.4	64.3	64.8	65.3	65.4	65.5	65.7	65.7	65.7	65.9	66.1	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.6
GE	9000	3.7	63.6	64.5	65.0	65.5	65.6	65.7	65.9	65.9	65.9	66.1	66.3	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.8
GE	8000	3.8	67.2	68.3	68.8	69.5	69.5	69.6	69.8	69.8	69.8	70.0	70.2	70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.7
GE	7000	3.8	67.9	69.1	69.7	70.3	70.3	70.5	70.7	70.7	70.7	70.9	71.1	71.1	71.1	71.2	71.3	71.3	71.3	71.4	71.6
GE	6000	3.8	69.0	70.2	70.8	71.4	71.4	71.6	71.8	71.8	71.8	72.0	72.2	72.2	72.2	72.4	72.5	72.5	72.5	72.5	72.7
GE	5000	3.8	71.2	72.5	73.2	73.8	73.9	74.1	74.3	74.3	74.3	74.5	74.7	74.7	74.7	74.9	74.9	75.0	75.0	75.0	75.2
GE	4500	3.8	72.1	73.5	74.2	75.0	75.1	75.2	75.5	75.5	75.5	75.7	75.9	75.9	75.9	76.1	76.1	76.2	76.2	76.2	76.4
GE	4000	3.9	73.5	75.0	75.8	76.6	76.7	76.9	77.1	77.1	77.1	77.3	77.6	77.6	77.6	77.8	77.9	77.9	77.9	77.9	78.2
GE	3500	3.9	74.3	75.9	76.7	77.5	77.6	77.8	78.1	78.1	78.1	78.3	78.6	78.6	78.6	78.7	78.8	78.8	78.8	78.8	79.1
GE	3000	3.9	76.2	77.8	78.8	79.7	79.9	80.2	80.4	80.4	80.4	80.7	81.0	81.0	81.0	81.1	81.2	81.3	81.3	81.3	81.5
GE	2500	3.9	77.4	79.1	80.1	81.1	81.3	81.6	81.9	81.9	81.9	82.2	82.5	82.5	82.5	82.6	82.7	82.8	82.8	82.8	83.0
GE	2000	3.9	78.5	80.4	81.4	82.6	82.7	83.0	83.3	83.3	83.3	83.6	83.9	83.9	83.9	84.1	84.2	84.3	84.3	84.3	84.5
GE	1800	3.9	78.7	80.7	81.7	82.8	83.0	83.3	83.6	83.6	83.6	83.9	84.2	84.2	84.2	84.4	84.5	84.6	84.6	84.6	84.8
GE	1500	3.9	79.8	81.9	83.1	84.4	84.5	84.9	85.2	85.2	85.2	85.5	85.8	85.8	85.8	86.0	86.1	86.2	86.2	86.2	86.4
GE	1200	3.9	80.3	82.6	83.9	85.2	85.4	85.8	86.2	86.2	86.2	86.5	86.8	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.4
GE	1000	3.9	80.9	83.3	84.9	86.3	86.5	87.0	87.4	87.4	87.4	87.7	88.0	88.0	88.0	88.3	88.4	88.5	88.5	88.5	88.7
GE	900	3.9	81.2	83.6	85.4	86.8	87.0	87.6	88.0	88.0	88.0	88.3	88.6	88.6	88.6	88.9	89.0	89.1	89.1	89.1	89.3
GE	800	3.9	81.9	84.5	86.4	88.0	88.3	88.9	89.4	89.4	89.4	89.7	90.1	90.1	90.1	90.3	90.4	90.5	90.5	90.5	90.8
GE	700	3.9	82.2	85.0	87.0	88.9	89.2	90.0	90.5	90.5	90.5	90.8	91.4	91.4	91.4	91.6	91.7	91.8	91.8	91.8	92.1
GE	600	3.9	82.5	85.5	87.6	89.7	90.1	91.0	91.6	91.6	91.6	92.2	92.5	92.5	92.5	92.8	92.9	93.0	93.0	93.0	93.2
GE	500	3.9	82.6	85.8	88.1	90.6	91.2	92.3	92.9	92.9	92.9	93.8	94.2	94.2	94.2	94.5	94.6	94.7	94.7	94.7	94.9
GE	400	3.9	82.8	86.0	88.5	91.1	91.8	93.1	94.0	94.0	94.0	95.1	95.5	95.5	95.5	95.8	96.0	96.0	96.0	96.0	96.4
GE	300	3.9	82.8	86.1	88.5	91.2	92.0	93.6	94.7	94.7	94.7	96.1	96.6	96.6	96.6	97.1	97.2	97.2	97.2	97.2	97.9
GE	200	3.9	82.8	86.1	88.6	91.3	92.1	93.8	95.1	95.1	95.1	96.7	97.3	97.3	97.3	98.0	98.2	98.2	98.2	98.2	99.1
GE	100	3.9	82.8	86.1	88.6	91.3	92.1	93.8	95.1	95.1	95.1	96.7	97.5	97.5	97.5	98.2	98.5	98.8	98.8	98.8	99.8
GE	01	3.9	82.8	86.1	88.6	91.3	92.1	93.8	95.1	95.1	95.1	96.7	97.5	97.5	97.5	98.2	98.5	98.8	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7345



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930		STATION NAME: SIMMONS AAF/FT BRAGG NC		PERIOD OF RECORD: 77-86												MONTH: ALL		HOURS(SLT): ALL	
CEILING		VISIBILITY IN STATUTE MILES																	
IN	FEET	1	2	3	4	5	6	10	1	2	3	4	5	8	1/2	5/8	1/4	1/4	0
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO	CEIL	1	1.8	51.4	54.3	55.9	56.7	56.9	57.1	57.2	57.2	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.6
GE	20000	2.0	57.6	61.0	62.8	63.8	63.9	64.2	64.3	64.4	64.5	64.5	64.6	64.7	64.7	64.8	64.8	64.9	64.9
GE	18000	2.0	57.7	61.1	62.9	63.9	64.1	64.3	64.5	64.5	64.5	64.6	64.7	64.7	64.8	64.8	64.9	64.9	64.9
GE	16000	2.0	57.7	61.1	63.0	64.0	64.1	64.4	64.5	64.5	64.5	64.6	64.7	64.7	64.8	64.8	64.9	64.9	64.9
GE	14000	2.0	58.4	61.8	63.7	64.7	64.8	65.1	65.2	65.3	65.3	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6
GE	12000	2.0	59.5	63.1	65.0	66.0	66.2	66.4	66.6	66.6	66.6	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.0
GE	10000	2.0	62.7	66.6	68.7	69.8	70.0	70.2	70.4	70.4	70.4	70.5	70.6	70.7	70.7	70.7	70.7	70.8	70.8
GE	9000	2.0	62.9	66.7	68.8	70.0	70.1	70.4	70.6	70.6	70.6	70.7	70.8	70.8	70.9	70.9	70.9	71.0	71.0
GE	8000	2.1	66.4	70.5	72.7	74.0	74.2	74.5	74.7	74.7	74.7	74.8	74.9	75.0	75.0	75.0	75.0	75.1	75.1
GE	7000	2.1	67.2	71.4	73.7	75.0	75.2	75.5	75.7	75.8	75.8	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2
GE	6000	2.1	68.0	72.2	74.5	75.9	76.0	76.4	76.6	76.6	76.6	76.7	76.8	76.9	76.9	76.9	76.9	77.0	77.0
GE	5000	2.1	69.5	73.8	76.3	77.7	77.9	78.3	78.5	78.5	78.5	78.6	78.7	78.8	78.8	78.9	78.9	79.0	79.0
GE	4500	2.1	70.4	74.6	77.3	78.8	79.0	79.4	79.6	79.6	79.6	79.7	79.8	79.9	79.9	79.9	79.9	80.0	80.0
GE	4000	2.1	72.0	76.6	79.2	80.7	81.0	81.4	81.6	81.6	81.6	81.7	81.8	81.9	81.9	82.0	82.0	82.1	82.1
GE	3500	2.1	72.9	77.5	80.2	81.8	82.0	82.4	82.7	82.7	82.7	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.1
GE	3000	2.1	75.0	80.0	82.9	84.7	84.9	85.4	85.7	85.7	85.7	85.9	85.9	86.0	86.1	86.1	86.1	86.2	86.2
GE	2500	2.1	75.9	81.0	84.0	85.8	86.1	86.6	86.9	86.9	86.9	87.1	87.2	87.3	87.3	87.3	87.3	87.4	87.4
GE	2000	2.1	76.8	82.0	85.1	87.0	87.3	87.9	88.2	88.2	88.2	88.4	88.5	88.6	88.6	88.7	88.7	88.8	88.8
GE	1800	2.1	76.9	82.1	85.3	87.2	87.5	88.1	88.4	88.4	88.4	88.6	88.7	88.8	88.9	88.9	89.0	89.0	89.0
GE	1500	2.1	77.8	83.2	86.5	88.5	88.9	89.5	89.8	89.9	89.9	90.0	90.1	90.2	90.3	90.3	90.4	90.4	90.4
GE	1200	2.2	78.3	83.8	87.2	89.4	89.7	90.4	90.7	90.8	90.8	91.0	91.1	91.2	91.2	91.3	91.4	91.4	91.4
GE	1000	2.2	78.8	84.4	87.9	90.2	90.6	91.3	91.7	91.8	91.8	92.0	92.1	92.2	92.2	92.3	92.4	92.4	92.4
GE	900	2.2	79.0	84.6	86.2	90.6	91.0	91.7	92.1	92.2	92.2	92.4	92.5	92.6	92.7	92.7	92.8	92.8	92.8
GE	800	2.2	79.3	85.1	86.8	91.3	91.8	92.6	93.0	93.1	93.1	93.4	93.5	93.6	93.6	93.7	93.8	93.8	93.8
GE	700	2.2	79.6	85.4	85.3	92.0	92.5	93.4	94.0	94.1	94.1	94.3	94.4	94.5	94.6	94.7	94.8	94.8	94.8
GE	600	2.2	79.7	85.7	89.6	92.6	93.1	94.2	94.7	94.9	94.9	95.2	95.3	95.4	95.5	95.6	95.7	95.7	95.7
GE	500	2.2	79.8	85.9	90.0	93.2	93.8	95.1	95.8	96.0	96.0	96.4	96.5	96.6	96.7	96.8	96.9	96.9	96.9
GE	400	2.2	79.9	86.0	90.2	93.5	94.2	95.7	96.5	96.8	96.8	97.2	97.4	97.5	97.6	97.7	97.8	97.9	97.9
GE	300	2.2	79.9	86.0	90.2	93.6	94.4	96.0	97.0	97.3	97.3	97.8	98.1	98.2	98.4	98.5	98.6	98.8	98.8
GE	200	2.2	79.9	86.0	90.2	93.6	94.4	96.0	97.1	97.5	97.5	98.1	98.5	98.6	98.9	99.1	99.2	99.5	99.5
GE	100	2.2	79.9	86.0	90.2	93.6	94.4	96.1	97.1	97.5	97.5	98.2	98.6	98.6	99.0	99.3	99.5	99.9	99.9
GE	01	2.2	79.9	86.0	90.2	93.6	94.4	96.1	97.1	97.5	97.5	98.2	98.6	98.6	99.0	99.3	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 87466

U S AIR FORCE:  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATING THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBLSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBLSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JAN

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.0			15.7						11.9	35.4	5.1	910
03-05	37.1			13.2						12.1	37.6	5.2	902
06-08	24.4			21.4						18.3	35.9	5.9	911
09-11	17.2			23.8						21.2	37.8	6.4	920
12-14	13.4			30.4						20.6	35.6	6.3	924
15-17	11.7			31.7						22.9	33.7	6.4	924
18-20	21.2			28.2						15.9	34.7	5.7	921
21-23	35.2			18.3						13.4	33.2	5.1	920
TOTALS	24.7			22.8						17.0	35.5	5.8	7332

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: FEB

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	33.0			19.4						13.1	34.5	5.2	833
03-05	30.1			17.8						15.3	36.7	5.6	830
06-08	20.0			25.7						16.5	37.8	6.0	834
09-11	14.5			24.4						22.7	38.5	6.6	837
12-14	12.4			24.7						27.3	35.6	6.8	842
15-17	11.3			26.6						28.7	33.4	6.7	842
18-20	17.7			27.2						21.3	33.8	6.1	835
21-23	30.6			19.5						16.5	33.4	5.4	832
TOTALS	21.2			23.2						20.2	35.5	6.1	6685

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAR

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	36.9			18.5						11.3	33.3	4.9	930
03-05	36.3			17.3						13.6	32.8	5.0	924
06-08	21.1			25.1						21.1	32.6	5.9	927
09-11	19.3			25.6						22.5	32.5	6.1	928
12-14	14.1			31.9						21.8	32.2	6.1	930
15-17	12.3			31.5						24.7	31.5	6.3	930
18-20	15.9			32.4						22.0	29.7	5.9	930
21-23	33.3			22.0						15.4	29.2	5.0	930
TOTALS	23.7			25.5						19.1	31.7	5.7	7429

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: APR

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	38.9			20.3						16.4	24.3	4.5	900
03-05	37.9			21.1						15.2	25.7	4.6	899
06-08	19.8			33.0						19.8	27.4	5.5	900
09-11	17.2			33.8						22.5	26.5	5.7	899
12-14	11.7			34.0						27.8	26.6	6.2	900
15-17	9.3			35.3						28.9	26.4	6.3	900
18-20	15.4			32.8						27.1	24.7	5.9	899
21-23	33.0			25.6						17.6	23.9	4.7	900
TOTALS	22.9			29.5						21.9	25.7	5.4	7197

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: MAY

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	29.6			26.6						16.9	26.6	5.0	928
03-05	24.6			28.7						18.4	28.3	5.3	926
06-08	15.2			26.2						26.8	31.8	6.4	927
09-11	11.3			29.2						29.9	29.6	6.5	926
12-14	4.6			31.4						37.8	26.2	7.0	929
15-17	3.8			33.7						39.9	22.7	6.9	930
18-20	7.9			32.9						30.5	28.8	6.6	928
21-23	24.3			28.2						19.1	28.4	5.4	930
TOTALS	15.2			29.6						27.4	27.8	6.1	7424

STATION NUMBER: 74693D STATION NAME: SIMMONS AAF/FT BRAGG NC PERIOD OF RECORD: 77-86  
MONTH: JUN

HOURS {LST}	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	31.1			27.7						20.6	20.7	4.7	900
03-05	21.1			31.1						23.6	24.2	5.5	897
06-08	11.0			33.7						28.4	26.9	6.3	890
09-11	9.4			37.2						30.4	22.9	6.1	900
12-14	1.6			43.0						32.9	22.6	6.5	900
15-17	1.2			44.1						33.6	21.1	6.5	900
18-20	5.0			39.6						33.4	22.0	6.4	900
21-23	22.8			33.7						21.3	22.2	5.2	900
TOTALS	12.9			36.3						28.0	22.8	5.9	7187

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	21.3			31.1						23.9	23.7	5.4	909
03-05	14.3			39.6						22.0	24.1	5.6	904
06-08	9.6			33.4						34.1	22.9	6.4	899
09-11	8.6			36.2						35.6	19.6	6.3	907
12-14	.9			39.4						37.9	21.8	6.8	928
15-17	.4			36.3						41.5	19.8	6.9	930
18-20	3.7			35.5						37.2	23.6	6.8	927
21-23	15.5			34.5						24.9	25.1	5.8	920
TOTALS	9.3			36.0						32.1	22.6	6.3	7324

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	27.7			30.7						19.6	22.0	4.9	899
03-05	22.0			31.9						22.3	23.7	5.3	889
06-08	9.5			34.5						32.4	23.6	6.3	882
09-11	11.2			37.8						30.4	20.2	5.9	912
12-14	2.2			42.7						37.6	17.6	6.4	928
15-17	1.1			39.8						42.1	17.0	6.7	928
18-20	6.3			36.5						35.3	22.0	6.5	919
21-23	20.6			36.0						20.7	22.8	5.2	909
TOTALS	12.6			36.2						30.1	21.1	5.9	7266

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.2			25.0						14.0	23.9	4.4	893
03-05	34.3			24.0						16.9	24.8	4.7	888
06-08	15.0			32.0						23.9	29.0	6.0	871
09-11	15.3			33.0						27.2	24.4	5.9	896
12-14	5.1			42.4						30.8	21.7	6.2	900
15-17	3.9			43.6						31.0	21.5	6.2	899
18-20	12.5			42.0						22.2	23.3	5.6	897
21-23	29.2			30.5						16.0	24.2	4.8	891
TOTALS	19.1			34.1						22.8	24.1	5.5	7135

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.1			21.1						13.6	27.2	4.6	924
03-05	37.1			20.3						13.2	29.4	4.7	918
06-08	17.5			28.3						23.2	31.0	6.0	902
09-11	18.8			29.0						24.2	28.0	5.8	926
12-14	10.3			38.8						25.9	24.9	6.0	930
15-17	9.6			42.0						25.6	22.8	5.8	930
18-20	21.1			36.5						19.3	23.1	5.1	927
21-23	34.6			28.3						14.0	23.2	4.4	923
TOTALS	23.4			30.5						19.9	26.2	5.3	7380

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.7			19.0						15.1	31.2	5.1	894
03-05	33.6			17.7						15.4	33.3	5.2	889
06-08	19.1			25.7						20.3	34.8	6.1	890
09-11	16.6			23.6						23.1	36.7	6.5	898
12-14	13.0			29.5						25.5	32.0	6.4	898
15-17	9.8			35.4						25.0	29.8	6.3	899
18-20	21.7			28.1						22.3	27.9	5.6	900
21-23	33.9			20.4						12.8	33.0	5.1	898
TOTALS	22.8			24.9						19.9	32.3	5.8	7166

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 77-86  
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	36.3			19.4						15.9	28.4	4.9	914
03-05	37.3			16.3						13.6	32.9	5.0	910
06-08	18.5			30.6						19.3	31.6	5.8	912
09-11	13.9			29.0						25.1	32.0	6.3	923
12-14	12.1			29.8						28.2	29.9	6.4	924
15-17	8.6			35.3						27.3	28.8	6.4	916
18-20	23.7			30.3						17.8	28.2	5.3	908
21-23	34.3			23.5						14.3	28.0	4.8	908
TOTALS	23.1			26.8						20.2	30.0	5.6	7315



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746930 STATION NAME: SIMMONS AAF/FT BRAGG MC

PERIOD OF RECORD: 77-86  
MONTH: ALL

		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL
HOURS		0	1	2	3	4	5	6	7	8	9	10	OBS
(LST)													
ALL		24.7			22.8						17.0	35.5	7332
JAN													
FEB		21.2			23.2						20.2	35.5	6685
MAR		23.7			25.5						19.1	31.7	7429
APR		22.9			29.5						21.9	25.7	7197
MAY		15.2			29.6						27.4	27.8	7424
JUN		12.9			36.3						28.0	22.8	7187
JUL		9.3			36.0						32.1	22.6	7324
AUG		12.6			36.2						30.1	21.1	7266
SEP		19.1			34.1						22.8	24.1	7135
OCT		23.4			30.5						19.9	26.2	7380
NOV		22.8			24.1						19.9	32.3	7166
DEC		23.1			26.8						20.2	30.0	7315
TOTALS		19.2			29.6						23.2	27.9	86840

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

### 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

These tables have been temporarily discontinued for the Russo pending the advent of RUSSWC-2 in mid 1986.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

AIR WEATHER SERVICE/MAC

746930 SIMMONS AAF/FT BRAGG NC

STATION NAME

61-86

YEARS

DAILY TEMPERATURES

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP °F.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105								.1					.0
100						.5	2.2	.9					.3
95				.1	1.3	5.1	11.3	7.4	2.9	.6			2.4
90				2.1	9.5	24.4	39.3	34.4	15.9	.9			10.7
85			1.6	13.6	27.4	60.3	78.2	70.7	43.5	5.0	.3		25.3
80		.6	6.5	29.8	55.5	85.2	93.5	90.5	69.6	23.2	3.3	.4	38.5
75	.8	2.7	15.4	46.1	77.2	95.6	98.6	97.7	84.6	49.3	14.6	3.2	49.2
70	6.2	8.6	29.8	66.5	91.6	98.7	99.9	99.4	95.9	68.6	32.2	10.2	59.3
65	12.7	20.5	49.2	82.1	97.0	99.6	100.0	100.0	98.7	86.4	52.1	21.8	68.7
60	24.0	34.6	65.2	94.3	98.8	99.9			99.7	94.8	67.6	35.0	76.4
55	35.9	48.3	80.2	98.0	99.9	100.0			100.0	98.4	81.7	50.4	83.0
50	51.8	62.5	89.4	99.1	100.0					99.6	92.8	68.3	88.8
45	68.4	77.1	95.9	99.9						100.0	97.9	84.3	93.7
40	82.6	90.1	98.6	100.0							99.9	92.8	97.1
35	92.5	96.9	99.7								100.0	98.4	99.0
30	97.7	99.7	99.9									99.6	99.7
25	99.4	99.9										100.0	99.9
20	99.9	100.0	100.0										100.0
15	100.0												100.0
MEAN	50.5	44.2	63.6	73.5	79.8	85.4	88.1	87.1	82.5	73.4	64.1	55.2	71.5
S D	11.4361	1.2621	0.625	9.214	7.599	6.127	5.462	5.579	7.138	7.890	9.550	10.643	15.679
TOTAL OBS	772	706	774	749	775	750	806	793	780	806	780	802	9293

## DAILY TEMPERATURES

61-86

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

# MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						.4	.7	.4					.1
75					.1	4.3	14.4	11.7	2.1	.2			2.8
70					3.6	34.1	70.3	63.4	27.1	1.2			17.0
65				.1	3.6	72.5	92.8	88.0	55.6	10.9	.3		30.0
60	1.0	.8	3.4	18.4	53.7	89.7	99.0	97.9	75.8	25.7	1.8	.2	39.9
55	2.5	2.8	11.5	36.4	75.5	97.6	100.0	99.7	90.3	45.9	6.5	2.0	49.0
50	5.8	7.9	24.3	55.3	89.3	99.6		100.0	97.7	65.4	15.5	5.6	57.2
45	11.7	15.2	40.4	73.4	97.7	100.0			100.0	80.4	27.2	11.3	65.7
40	20.7	24.8	58.9	90.3	99.9					92.3	44.7	20.1	73.8
35	37.7	42.4	76.6	98.4	100.0					98.3	80.0	50.5	82.3
33	45.3	52.3	82.6	99.5						99.1	87.2	57.6	85.5
30	58.5	68.3	92.2	99.9						99.6	92.8	70.4	90.3
25	77.3	83.9	98.8	100.0						100.0	98.8	87.2	95.6
20	89.0	94.6	99.6								99.7	96.3	98.3
15	96.5	99.2	100.0								100.0	99.6	99.6
10	99.4	100.0										99.9	99.9
5	99.7											100.0	100.0
0	99.9												100.0
-5	100.0												100.0
													150.0
MEAN	32.0	34.0	42.3	50.7	59.3	66.8	70.7	70.0	64.4	52.8	43.4	35.9	51.9
S D	10.341	9.671	9.372	8.489	7.621	5.295	3.877	4.323	6.800	8.973	9.301	10.387	15.951
TOTAL OBS	772	706	774	749	775	755	806	793	780	806	780	802	828

USAFETAC FORM 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

# DAILY TEMPERATURES

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

AIR WEATHER SERVICE MAC

746930 SIMMONS AAF/FT BRAGG NC

STATION NAME

61-86

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						3	1.0	.4					.1
85						5.7	12.0	6.8	2.1	.5			2.1
80						27.2	53.3	47.5	19.2	.7			13.0
75				.1	5.2	68.4	88.6	83.1	49.1	5.8	.5	.1	27.7
70			.6	23.4	54.8	91.3	98.5	96.6	75.6	22.1	4.4	.7	39.6
65	1.0	2.3	11.2	41.7	77.9	97.9	99.9	99.9	89.6	46.4	12.9	3.6	49.1
60	5.8	7.6	26.7	59.0	92.6	99.7	100.0	100.0	98.6	69.5	28.8	9.2	58.5
55	11.1	16.6	44.1	81.8	99.2	100.0			99.9	86.6	48.5	18.8	67.6
50	21.1	27.3	64.9	95.5	100.0				100.0	95.9	67.8	33.4	75.8
45	34.7	45.8	82.8	98.9						99.4	84.9	51.5	83.4
40	57.0	67.3	92.5	100.0						100.0	95.4	71.4	90.5
35	76.7	84.1	98.6								99.2	87.9	95.6
30	88.5	95.9	99.6								99.9	96.5	98.4
25	96.1	99.6	99.9								100.0	99.4	99.6
20	99.4	99.9										99.9	99.9
15	99.9	100.0	100.0									100.0	100.0
5	100.0												100.0
MEAN	41.5	44.3	53.2	62.4	69.0	76.4	79.7	78.8	73.7	63.4	54.0	45.8	61.9
S D	10.094	9.641	9.200	8.062	6.482	5.076	4.179	4.452	6.331	7.611	8.958	9.805	15.421
TOTAL OBS	772	736	774	749	775	750	806	793	780	806	781	802	9293

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

SIMMONS AAF/FT 6RAGG NC

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

# EXTREME VALUES OF MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION NAME: 746930  
SIMMONS AAF/FT BRAGG NC

PERIOD OF RECORD: 61-86

WHOLE DEGREES FAHRENHEIT  
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61	12	20	20	34	52	61	60	*61	51	37	25	15	9
62	12	12	31	42	40	56	60	61	47	26	31	9	12
63	18	23	*25	34	49	60	63	57	45	35	29	17	18
64	19	16	24	35	53	53	62	52	55	35	28	20	16
65	11	20	26	36	39	48	60	61	51	38	28	19	11
66	20	11	22	43	42	53	62	61	47	38	25	27	11
67	16	14	26	37	43	54	65	57	55	32	24	18	14
68	11	25	25	38	41	58	66	57	51	33	22	20	11
69	10	19	29	*35	45	61	65	65	48	38	18	18	10
70	14	16	25	36	42	55	59	62	56	41	25	*26	14
71	*11	22	27	29	44	48	58	63	55	34	27	*21	*11
72	20	14	32	33	45	60	65	66	60	37	26	19	14
73	26	21	31	36	50	58	61	65	46	32	23	20	20
74	22	24	25	38	50	60	62	64	52	35	30	17	17
75	12	24	28	33	44	52	62	54	50	28	21	17	12
76	6	16	30	37	43	50	63	62	56	37	24	18	6
77	15	19	25	42	49	55	63	*65	54	37	36	23	15
78	17	15	28	38	46	54	56	58	57	37	28	24	15
79	25	18	15	35	40	55	66	64	56	36	28	14	14
80	8	14	25	33	45	56	63	55	47	34	31	18	8
81	11	27	28	30	45	65	64	59	48	36	31	*24	11
82	*19	24	29	30	44	55	61	59	46	37	30	*16	*16
83	*15	22	29	35	42	52	59	63	50	44	28	24	*15
84	-1	21	29	33	46	57	65	60	49	48	36	15	-1
85	14	20	24	36	42	62	65	58	56	36	26	25	14
MEAN	14.5	19.0	26.6	35.5	44.9	55.8	61.8	60.3	51.5	35.7	27.2	18.8	11.9
S.D.	6.292	4.243	3.561	3.599	3.767	4.262	3.024	3.510	4.130	4.530	4.131	3.750	4.763
TOTAL OBS	772	706	774	749	775	750	806	793	780	806	780	802	9293

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

74693J SIMMONS AAF/FI BRAGG NC

77-86

STATION

STATION NAME

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 35.5 S.D. 9.727 TOTAL OBS 917	39.7 10.998 843	48.1 9.915 930	56.8 8.544 900	63.7 6.842 930	71.4 5.443 900	75.1 4.391 930	74.0 4.521 930	68.9 6.840 900	58.1 8.838 930	51.1 10.017 900	42.4 10.859 920	57.2 15.635 10930
03-05	MEAN 34.0 S.D. 9.639 TOTAL OBS 918	37.9 10.726 843	45.7 9.998 930	53.9 8.521 900	61.4 7.136 930	69.2 5.692 900	73.3 4.291 930	72.3 4.492 930	67.2 7.141 900	56.4 9.002 930	49.5 10.359 899	40.9 11.011 921	55.3 15.639 10931
06-08	MEAN 33.2 S.D. 9.970 TOTAL OBS 922	37.1 10.513 843	45.3 9.783 930	55.0 8.391 900	63.4 6.962 930	71.0 5.660 900	74.6 4.557 930	73.0 4.663 929	67.6 7.257 900	56.7 8.746 930	49.0 10.443 898	40.1 11.112 921	55.6 16.314 10933
09-11	MEAN 38.1 S.D. 9.496 TOTAL OBS 924	43.2 10.751 843	53.4 9.859 930	64.9 8.722 900	72.0 7.217 930	79.0 5.993 900	82.2 5.643 930	80.8 5.642 930	75.8 7.199 900	65.6 8.194 930	56.4 9.271 900	46.0 10.631 924	63.2 17.028 10941
12-14	MEAN 43.9 S.D. 9.824 TOTAL OBS 924	49.7 11.788 843	59.8 10.787 930	70.9 9.701 900	77.3 7.635 930	83.9 6.398 900	87.0 6.255 930	85.8 6.086 930	80.9 7.479 900	71.4 8.608 930	62.5 9.515 900	52.7 11.066 924	68.9 16.822 10941
15-17	MEAN 45.5 S.D. 9.738 TOTAL OBS 924	51.9 11.699 844	61.9 10.890 930	72.4 9.739 900	78.2 7.366 930	84.5 6.680 899	86.9 6.826 930	85.7 6.324 930	81.3 7.568 900	71.9 8.498 930	62.8 9.374 900	53.6 10.634 916	69.8 16.350 10933
18-20	MEAN 40.7 S.D. 9.233 TOTAL OBS 924	47.2 10.948 843	57.0 10.238 930	67.3 9.114 900	73.7 7.015 929	80.6 6.246 900	82.9 6.211 930	81.2 5.967 930	76.0 7.271 900	65.0 8.536 930	56.2 9.317 900	47.6 10.402 910	64.7 16.433 10926
21-23	MEAN 37.4 S.D. 9.557 TOTAL OBS 924	42.4 10.931 843	51.6 9.950 930	60.4 8.484 900	67.3 6.605 930	74.7 5.443 900	77.9 4.687 930	76.5 4.778 930	71.3 6.863 900	60.4 8.596 930	52.7 9.812 900	44.2 10.774 909	59.8 15.818 10926
ALL HOURS	MEAN 38.5 S.D. 10.555 TOTAL OBS 7377	43.6 12.180 6745	52.8 11.771 7440	62.7 11.170 7200	69.6 9.383 7439	76.8 8.201 7199	80.0 7.498 7440	78.7 7.404 7439	73.6 8.959 7200	63.2 10.421 7440	55.0 11.016 7197	45.9 11.817 7345	61.8 17.129 87463

GLOBAL CLIMATOLOGY BRANC  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

746930 SIMMONS AAF/FT BRAGG NC 77-86

STATION		STATION NAME												YEARS											
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
00-02	MEAN	32.3	36.3	43.8	51.6	59.7	67.2	71.2	70.1	65.1	54.6	47.5	39.0	53.3											
	S.D.	9.816	10.895	9.799	8.563	7.219	5.786	4.014	4.623	7.248	9.061	10.448	11.219	15.554											
	TOTAL OBS	917	843	930	900	930	900	930	930	900	930	897	920	10927											
03-05	MEAN	31.2	35.0	42.1	49.8	58.4	66.0	70.1	68.9	63.9	53.4	46.3	37.9	52.1											
	S.D.	9.905	10.828	10.056	8.852	7.598	6.101	4.236	4.875	7.567	9.278	10.741	11.391	15.717											
	TOTAL OBS	918	843	930	900	930	900	930	930	900	930	897	921	10929											
06-08	MEAN	30.6	34.4	41.9	50.5	59.5	67.0	70.8	69.4	64.1	53.5	46.0	37.2	52.2											
	S.D.	10.102	10.749	9.871	8.659	7.438	5.851	4.242	4.952	7.516	9.162	10.881	11.419	16.119											
	TOTAL OBS	922	843	928	900	930	900	930	929	900	930	897	921	10930											
09-11	MEAN	33.8	38.3	46.6	55.2	63.3	70.2	73.9	72.6	68.0	58.5	50.6	41.3	56.1											
	S.D.	9.621	10.666	9.321	8.284	7.668	5.581	4.277	4.680	6.815	8.323	9.863	11.096	15.692											
	TOTAL OBS	923	843	927	900	930	900	930	930	900	930	900	924	10937											
12-14	MEAN	37.3	42.0	49.7	57.3	65.1	71.4	75.0	73.7	69.6	60.8	53.6	45.0	58.5											
	S.D.	9.484	10.707	9.147	8.002	6.766	5.487	4.067	4.387	6.588	8.062	9.534	10.977	14.788											
	TOTAL OBS	924	843	927	899	930	900	930	930	899	930	900	924	10936											
15-17	MEAN	38.3	43.2	50.6	57.7	65.2	71.4	74.8	73.5	69.4	60.8	53.6	45.6	58.8											
	S.D.	9.255	10.310	8.835	7.610	6.331	5.115	3.874	4.234	6.401	7.885	9.361	10.701	14.281											
	TOTAL OBS	924	844	928	900	930	899	930	930	900	930	900	916	10931											
18-20	MEAN	35.8	41.0	48.6	56.0	64.0	70.5	73.9	72.5	68.3	58.6	50.7	42.7	57.0											
	S.D.	9.437	10.285	8.898	7.526	6.159	5.002	3.791	4.245	6.604	8.235	9.720	10.900	14.870											
	TOTAL OBS	924	843	930	900	929	900	930	930	900	930	900	910	10926											
21-23	MEAN	33.7	38.3	46.1	53.6	61.8	68.8	72.6	71.1	66.4	56.2	48.5	40.4	54.9											
	S.D.	9.729	10.667	9.447	8.137	6.727	5.304	3.802	4.385	7.040	8.660	10.184	11.208	15.342											
	TOTAL OBS	924	843	930	900	930	900	930	930	900	930	899	909	10925											
ALL HOURS	MEAN	34.1	38.6	46.2	54.0	62.1	69.1	72.8	71.5	66.9	57.1	49.6	41.1	55.4											
	S.D.	10.016	11.067	9.931	8.706	7.357	5.878	4.408	4.879	7.304	9.062	10.483	11.489	15.508											
	TOTAL OBS	7376	6745	7430	7199	7439	7199	7440	7439	7199	7440	7190	7345	8744											

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

77-86

SIMMONS AAF/FI BRAGG NC

746930

STATION NAME

YEARS

HRS (LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN 25.7 S.D. 13.616 TOTAL OBS 917	30.4 13.981 843	38.2 12.377 930	46.3 11.183 900	56.7 8.912 930	64.8 6.948 900	69.3 4.607 930	67.9 5.488 930	62.7 8.433 900	51.5 10.399 930	43.2 12.917 897	33.5 14.346 920	49.3 18.101 10927
03-05	MEAN 25.2 S.D. 13.419 TOTAL OBS 918	29.5 13.932 843	37.3 12.526 930	45.3 11.258 900	56.1 9.066 930	64.1 7.109 900	68.5 4.837 930	67.1 5.840 930	61.8 8.649 900	50.6 10.566 930	42.5 12.964 897	32.8 14.342 921	48.5 18.134 10929
06-08	MEAN 24.7 S.D. 13.572 TOTAL OBS 922	29.0 13.898 843	37.1 12.373 928	45.6 11.265 900	56.5 9.357 930	64.6 6.994 900	68.9 4.915 930	67.3 5.970 929	61.9 8.547 900	50.5 10.586 930	42.2 13.068 897	32.2 14.270 921	48.5 18.403 10930
09-11	MEAN 25.5 S.D. 14.282 TOTAL OBS 923	30.3 14.906 843	38.3 12.998 927	46.0 12.555 900	57.1 10.164 930	65.3 7.492 900	70.0 5.315 930	68.5 5.851 930	63.5 8.541 900	52.8 10.888 930	44.2 13.552 900	34.2 15.085 924	49.8 18.712 10937
12-14	MEAN 25.9 S.D. 15.102 TOTAL OBS 924	30.9 15.394 843	38.3 13.224 927	45.1 12.737 899	56.8 10.342 930	64.6 7.756 900	69.5 5.423 930	67.9 5.715 930	63.1 8.934 899	52.6 11.177 930	44.4 14.289 900	34.7 15.980 924	49.6 18.690 10934
15-17	MEAN 26.1 S.D. 15.230 TOTAL OBS 924	31.1 15.141 844	38.2 13.075 928	44.6 12.641 900	56.3 10.236 930	64.4 7.458 899	69.1 5.313 930	67.5 5.901 930	62.6 8.929 900	52.3 11.244 930	44.2 14.257 900	34.8 16.082 916	49.4 18.510 10931
18-20	MEAN 26.7 S.D. 14.534 TOTAL OBS 924	31.8 14.409 843	39.2 12.467 930	45.6 11.971 900	57.2 9.424 929	65.1 7.049 900	69.6 5.062 930	68.1 5.571 930	63.8 8.214 900	53.6 10.115 930	45.0 12.840 900	35.6 15.032 910	50.2 18.030 10926
21-23	MEAN 26.4 S.D. 13.846 TOTAL OBS 924	31.6 13.876 843	39.4 12.177 930	47.1 11.222 900	57.8 8.781 930	65.5 6.599 900	70.0 4.526 930	68.4 5.366 930	63.5 8.267 900	52.6 10.090 930	43.8 12.756 899	34.6 14.627 909	50.2 17.989 10925
ALL HOURS	MEAN 25.8 S.D. 14.223 TOTAL OBS 7376	30.6 14.476 6745	38.2 12.672 7430	45.7 11.889 7199	56.8 9.563 7439	64.8 7.195 7199	69.4 5.030 7440	67.9 5.734 7439	62.9 8.592 7199	52.1 10.685 7440	43.7 13.368 7190	34.0 15.017 7345	49.4 18.333 8744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

746930

SIMMONS AAF/FT BRAGG NC

77-86

JAN

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	98.8	91.6	80.2	66.4	51.8	34.4	13.8	69.3	917
	03-05	100.0	100.0	99.7	95.8	85.1	70.5	55.1	36.4	17.4	71.6	918
	06-08	100.0	100.0	99.7	95.9	87.1	74.2	55.9	38.6	18.1	72.7	922
	09-11	100.0	100.0	97.0	83.9	67.4	51.8	39.1	28.5	12.0	63.5	923
	12-14	100.0	98.8	82.5	60.2	46.1	34.5	26.9	17.7	7.3	53.1	924
	15-17	100.0	97.4	77.3	54.0	42.2	31.3	24.8	17.4	8.1	50.8	924
	18-20	100.0	99.4	92.5	78.1	62.6	47.4	33.7	23.1	10.6	60.4	924
	21-23	100.0	99.9	96.9	88.5	75.4	61.3	46.6	30.0	12.7	66.9	924
TOTALS		100.0	99.4	93.1	81.0	68.3	54.7	41.7	28.3	12.5	63.5	7376

## RELATIVE HUMIDITY

**FEB**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.9	95.4	84.0	69.6	53.6	34.6	15.7	71.1	843
	03-05	100.0	100.0	100.0	97.6	88.5	73.9	56.8	39.1	18.5	73.1	843
	06-08	100.0	100.0	99.8	97.5	89.9	75.4	58.6	41.2	19.2	73.8	843
	09-11	100.0	99.5	96.2	84.9	67.0	51.4	38.1	24.4	10.2	63.0	843
	12-14	100.0	97.9	83.5	62.5	45.7	33.9	22.4	14.4	4.6	52.2	843
	15-17	100.0	96.3	75.0	57.0	39.7	28.9	19.0	11.7	4.4	49.0	844
	18-20	100.0	99.6	91.6	76.7	59.5	43.3	31.1	17.6	7.2	58.3	843
	21-23	100.0	100.0	99.2	91.1	79.1	63.1	46.7	28.6	12.6	67.7	843
TOTALS		100.0	99.2	93.2	82.8	69.2	54.9	40.8	26.5	11.6	63.5	6745

## RELATIVE HUMIDITY

知  
明  
工

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
MAR	00-02	100.0	99.9	98.4	94.5	85.4	71.2	53.2	30.8	10.6	70.3	930
	03-05	100.0	100.0	99.6	96.9	90.1	78.8	62.8	38.7	15.2	74.0	930
	06-08	100.0	100.0	99.9	98.3	89.7	78.1	60.6	39.5	15.8	74.2	928
	09-11	100.0	99.9	94.8	79.5	61.9	44.8	29.9	17.6	8.6	59.4	927
	12-14	100.0	97.3	79.8	55.3	36.2	25.4	17.7	11.9	4.3	48.6	927
	15-17	100.0	94.9	70.8	47.3	30.6	23.2	16.4	10.9	3.3	45.6	928
	18-20	100.0	98.8	88.0	71.1	51.9	35.8	25.1	15.5	4.9	54.8	930
	21-23	100.0	100.0	97.2	91.2	77.3	58.7	40.0	23.5	8.3	65.3	930
TOTALS		100.0	98.9	91.1	79.3	65.4	52.0	38.2	23.6	8.9	61.5	7430

0-87-5 (OL A)

## RELATIVE HUMIDITY

**APR**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
APR	00-02	100.0	100.0	98.9	95.8	84.8	68.8	52.7	30.3	10.9	70.0	900
	03-05	100.0	100.0	99.0	98.0	91.3	76.6	59.6	38.7	14.3	73.8	900
	06-08	100.0	100.0	99.3	96.2	87.3	73.0	55.2	36.0	14.3	72.2	900
	09-11	100.0	99.0	88.8	59.2	48.2	34.2	22.0	12.9	4.0	53.5	900
	12-14	100.0	93.8	69.6	46.1	28.0	19.5	11.3	5.9	1.9	43.1	899
	15-17	100.0	89.1	60.7	40.8	24.7	17.3	11.4	7.0	2.8	41.0	900
	18-20	100.0	96.8	77.6	59.3	42.4	27.9	18.0	12.2	4.4	49.6	900
	21-23	100.0	99.8	97.3	88.8	72.9	56.9	36.8	21.1	9.7	64.0	900
TOTALS		100.0	97.3	86.4	74.3	60.0	46.8	33.4	20.5	7.8	58.4	7199

USAFETAC  
FORM  
JUL 64  
0-87.5 (OL A)

FORM  
JUL 64

## RELATIVE HUMIDITY

**MAY**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
MAY	00-02	100.0	100.0	100.0	98.7	96.2	90.3	74.6	51.4	20.3	79.1	930
	03-05	100.0	100.0	100.0	99.2	97.6	94.0	84.2	64.6	30.1	83.1	930
	06-08	100.0	100.0	100.0	98.8	95.9	87.1	73.7	54.0	24.3	79.4	930
	09-11	100.0	99.8	97.2	86.9	72.4	51.9	34.3	15.9	4.2	61.8	930
	12-14	100.0	99.4	89.7	69.9	48.6	27.8	14.0	6.3	2.5	51.7	930
	15-17	100.0	98.7	86.1	64.8	43.4	23.4	14.4	8.0	2.6	49.8	930
	18-20	100.0	99.6	94.7	80.8	65.9	43.9	27.3	15.6	5.0	59.0	929
	21-23	100.0	100.0	99.2	97.7	92.2	78.7	58.0	34.6	11.0	72.9	930
TOTALS		100.0	99.7	95.9	87.1	76.5	62.1	47.6	31.3	12.5	67.1	7439



## RELATIVE HUMIDITY

**NON**  
**UN**

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUN	00-02	100.0	100.0	100.0	99.7	99.0	95.9	81.3	53.0	14.0	80.1	900
	03-05	100.0	100.0	100.0	100.0	99.6	98.0	89.0	71.1	24.1	84.0	900
	06-08	100.0	100.0	100.0	99.9	99.2	94.3	79.9	54.6	19.4	80.5	900
	09-11	100.0	100.0	99.8	96.2	83.0	56.9	30.2	12.9	2.7	64.0	900
	12-14	100.0	100.0	98.8	83.0	53.8	26.1	11.9	4.9	1.9	53.7	900
	15-17	100.0	100.0	97.7	77.0	46.5	24.9	14.0	7.3	2.8	52.7	899
	18-20	100.0	100.0	99.7	91.3	71.1	45.7	26.8	13.3	4.3	61.0	900
	21-23	100.0	100.0	100.0	99.4	97.0	86.2	62.6	30.1	8.4	74.0	900
TOTALS		100.0	100.0	99.5	93.3	81.2	66.0	49.5	30.9	9.7	68.8	7199

## RELATIVE HUMIDITY

**1941**

**STATION NAME**

**SECRET**

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUL	00-02	100.0	100.0	100.0	100.0	99.9	98.1	87.2	61.5	16.7	82.4	930
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	93.1	72.9	25.3	85.1	930
	06-08	100.0	100.0	100.0	100.0	99.9	97.3	87.8	64.0	21.7	82.9	930
	09-11	100.0	100.0	99.9	99.6	91.1	68.6	38.9	16.5	4.6	67.5	930
	12-14	100.0	100.0	99.8	91.2	67.4	36.1	15.6	7.6	1.9	57.4	930
	15-17	100.0	100.0	99.4	86.7	60.6	38.7	20.8	11.0	1.9	57.3	930
	18-20	100.0	100.0	99.6	95.4	81.8	61.9	39.7	21.1	4.2	65.9	930
	21-23	100.0	100.0	100.0	100.0	98.8	92.6	73.7	42.8	9.2	77.4	930
TOTALS		100.0	100.0	99.8	96.6	87.4	74.1	57.1	37.2	10.7	72.0	7440

## RELATIVE HUMIDITY

156

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	98.6	84.2	56.1	18.3	81.5	930
	03-05	100.0	100.0	100.0	100.0	99.6	98.1	90.1	69.1	26.2	84.0	930
	06-08	100.0	100.0	100.0	100.0	99.2	97.6	85.7	61.9	24.3	82.7	929
	09-11	100.0	100.0	100.0	99.4	92.6	66.6	38.0	15.8	4.0	67.2	930
	12-14	100.0	100.0	100.0	93.2	63.5	30.8	13.1	5.3	1.6	56.3	930
	15-17	100.0	100.0	99.6	89.2	59.5	30.9	17.5	9.6	2.8	56.3	930
	18-20	100.0	100.0	100.0	97.3	83.9	60.0	36.9	19.5	4.6	66.0	930
	21-23	100.0	100.0	100.0	100.0	99.2	90.6	67.4	40.2	10.9	76.6	930
TOTALS		100.0	100.0	100.0	97.4	87.2	71.7	54.1	34.7	11.6	71.3	7439

## RELATIVE HUMIDITY

**MONTH**

**0-87-5 (OL A)**

## RELATIVE HUMIDITY

**WILSON**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
OCT	00-02	100.0	100.0	100.0	99.7	97.7	92.8	79.2	50.8	14.7	79.3	930
	03-05	100.0	100.0	100.0	99.9	98.5	95.5	83.7	56.8	20.0	81.2	930
	06-08	100.0	100.0	100.0	100.0	98.4	93.5	81.6	51.8	17.3	80.3	930
	09-11	100.0	100.0	99.6	93.4	79.1	58.5	38.2	19.5	3.5	64.9	930
	12-14	100.0	99.9	95.2	77.0	48.4	29.6	18.9	10.3	1.6	53.7	930
	15-17	100.0	99.6	93.1	71.9	45.3	28.5	17.3	8.8	1.7	52.5	930
	18-20	100.0	100.0	99.8	97.4	86.9	67.7	42.7	21.9	4.5	68.0	930
	21-23	100.0	100.0	100.0	99.7	96.5	89.0	71.1	40.2	8.7	76.2	930
TOTALS		100.0	99.9	98.5	92.4	81.4	69.9	54.1	32.5	9.0	69.5	7440

## RELATIVE HUMIDITY

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.3	97.5	92.4	82.9	67.4	41.2	13.5	75.3	657
	03-05	100.0	100.0	99.8	98.1	94.5	86.3	72.7	49.4	15.8	77.4	897
	06-08	100.0	100.0	100.0	98.7	95.1	88.0	73.2	51.2	18.6	78.1	897
	09-11	100.0	99.9	98.0	89.1	74.2	60.8	45.6	27.0	6.7	65.8	900
	12-14	100.0	98.0	87.8	76.3	53.2	37.9	25.1	14.6	4.8	54.8	900
	15-17	100.0	97.4	85.6	70.2	52.9	36.1	23.6	15.0	4.9	54.2	900
	18-20	100.0	100.0	98.3	93.1	83.7	67.6	46.6	25.8	6.9	67.9	900
	21-23	100.0	100.0	99.4	96.9	88.5	79.1	61.1	35.3	11.1	72.9	899
TOTALS		100.0	99.4	96.0	89.2	79.3	67.3	51.9	32.4	10.3	68.3	7190

## RELATIVE HUMIDITY

330

PERIOD

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF ONS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
DEC	00-02	100.0	100.0	99.9	95.8	87.5	74.6	56.6	35.4	11.7	72.1	920
	03-05	100.0	100.0	99.8	97.4	91.1	78.2	59.5	40.3	15.2	74.0	921
	06-08	100.0	100.0	99.9	97.9	91.4	79.9	60.8	40.3	15.5	74.3	921
	09-11	100.0	100.0	99.1	89.7	73.6	56.4	40.6	27.1	10.4	65.5	924
	12-14	100.0	99.8	88.1	64.9	46.2	34.3	25.2	16.5	5.3	53.6	924
	15-17	100.0	99.1	84.4	61.6	45.5	32.5	23.8	16.2	4.9	52.5	916
	18-20	100.0	100.0	97.6	87.6	75.7	57.4	39.7	25.7	9.8	65.2	910
	21-23	100.0	100.0	99.1	93.2	84.9	70.6	53.2	34.8	11.8	70.5	909
TOTALS		100.0	99.9	96.0	86.0	74.5	60.5	44.9	29.5	10.6	66.0	7345

USAFETAC  
FORM  
JUL 64  
0-87-5 (OL A)

FORM  
JUL 64

**0-87-5 (OL A)**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

746930      SIMMONS AAF/FT BRAGG NC      77-86      ALL

STATION      STATION NAME      PERIOD      MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.4	93.1	81.0	68.3	54.7	41.7	28.3	12.5	63.5	7376
FEB		100.0	99.2	93.2	82.8	69.2	54.9	40.8	26.5	11.6	63.5	6745
MAR		100.0	98.9	91.1	79.3	65.4	52.0	38.2	23.6	8.9	61.5	7430
APR		100.0	97.3	86.4	74.3	60.0	46.8	33.4	20.5	7.8	58.4	7199
MAY		100.0	99.7	95.9	87.1	76.5	62.1	47.6	31.3	12.5	67.1	7439
JUN		100.0	100.0	99.5	93.3	81.2	66.0	49.5	30.9	9.7	68.8	7199
JUL		100.0	100.0	99.8	96.6	87.4	74.1	57.1	37.2	10.7	72.0	7440
AUG		100.0	100.0	100.0	97.4	87.2	71.7	54.1	34.7	11.6	71.3	7439
SEP		100.0	100.0	99.6	95.5	86.0	72.2	54.8	33.9	10.5	71.0	7199
OCT		100.0	99.9	98.5	92.4	81.4	69.4	54.1	32.5	9.0	69.5	7440
NOV		100.0	99.4	96.0	89.2	79.3	67.3	51.9	32.4	10.3	68.3	7190
DEC		100.0	99.9	96.0	86.0	74.5	60.5	44.9	29.5	10.6	66.0	7345
TOTALS		100.0	99.5	95.8	87.9	76.4	62.6	47.3	30.1	10.5	66.7	87441



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

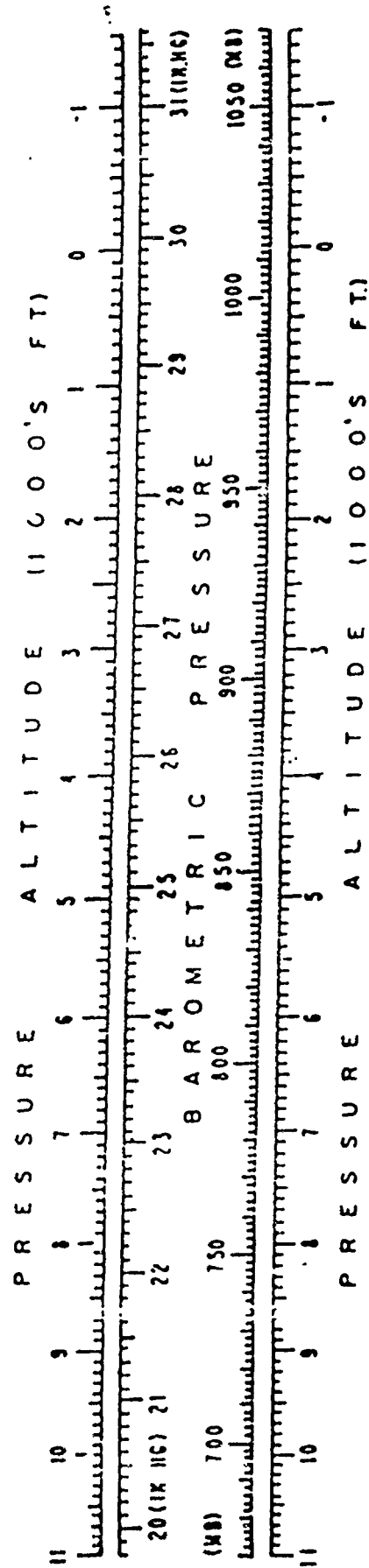
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

746930 SIMMONS AAF/FT BRAGG NC

77-86

STATION NAME

YEARS

HRS. (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	29.80929.81529.242.239.306.281	29.76829.234.310.300.310	29.72529.73929.142.198.300.310	29.73829.76629.103.123.300.310	29.78929.80829.132.157.300.310	29.85029.869.215.185.3684							
04	29.80729.80629.245.242.306.281	29.75229.73229.241.202.300.310	29.72129.75629.144.148.310	29.75729.80029.106.132.300.310	29.84429.869.218.3684								
07	29.82429.83229.247.245.307.281	29.78429.77129.249.208.300.310	29.76429.80829.107.135.300.310	29.85729.891.220.3685									
10	29.86229.86029.250.250.308.281	29.80629.78129.257.214.300.310	29.77129.79829.103.126.300.310	29.87929.89329.925.196.3687									
13	29.80029.81229.248.246.308.281	29.76129.73629.250.211.300.310	29.74129.77229.104.127.300.310	29.83029.861.225.3687									
16	29.77529.77329.244.240.308.282	29.71529.68929.238.205.300.310	29.70229.73529.106.125.300.310	29.81329.837.221.3684									
19	29.80329.79829.239.234.308.281	29.73429.70029.229.198.300.310	29.70829.76129.102.120.300.310	29.83929.861.221.3686									
22	29.82029.81829.241.234.308.281	29.76829.73829.228.197.300.310	29.74629.77529.100.120.300.310	29.85629.877.217.3682									
ALL HOURS	29.81329.81429.245.242.2459.2249	29.76129.73629.242.206.2480	29.73829.76629.104.126.2400	29.80929.83829.164.192.2447	29.874.221.190.2015								

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

77-86

SIMMONS AAF/FI BRAGG NC

STATION

STATION NAME

YEARS

HRS. (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S.D. TOTAL OBS	1018.7 8.294 306	1018.8 8.193 280	1017.1 8.031 310	1016.1 6.790 300	1015.6 4.856 310	1016.0 4.178 300	1016.9 3.451 310	1017.7 3.523 310	1018.4 4.483 300	1019.4 5.331 310	1020.7 7.373 307	1017.9 6.344 3643
04	MEAN S.D. TOTAL OBS	1018.6 8.407 306	1018.6 8.313 281	1016.6 8.229 310	1015.4 6.916 300	1015.4 4.928 309	1015.7 4.191 300	1016.6 3.408 310	1017.3 3.586 310	1018.1 4.491 299	1019.1 5.460 310	1020.6 7.454 307	1017.7 6.438 3642
07	MEAN S.D. TOTAL OBS	1019.2 8.471 307	1019.5 8.435 281	1017.8 8.506 310	1017.2 7.110 300	1016.6 5.053 310	1016.8 4.253 300	1017.6 3.451 310	1018.3 3.634 310	1019.2 4.592 300	1020.1 5.582 310	1021.5 7.578 307	1018.7 6.521 3645
10	MEAN S.D. TOTAL OBS	1020.5 8.542 308	1020.8 8.588 281	1018.5 8.798 310	1017.5 7.336 300	1016.9 5.088 310	1017.1 4.271 300	1017.9 3.483 310	1018.8 3.680 310	1019.7 4.667 300	1020.9 5.682 310	1022.6 7.736 308	1019.3 6.710 3647
13	MEAN S.D. TOTAL OBS	1018.4 8.517 308	1018.8 8.431 281	1016.9 8.572 310	1016.0 7.256 300	1015.7 5.057 310	1016.1 4.294 300	1017.1 3.490 310	1017.8 3.601 310	1018.5 4.551 300	1019.2 5.624 310	1020.4 7.706 308	1017.8 6.562 3647
16	MEAN S.D. TOTAL OBS	1017.5 8.354 308	1017.4 8.238 281	1015.3 8.160 310	1014.3 7.071 300	1014.2 4.938 310	1014.7 4.265 300	1015.8 3.543 310	1016.4 3.553 310	1017.1 4.443 300	1018.2 5.616 310	1019.6 7.593 304	1016.6 6.477 3643
19	MEAN S.D. TOTAL OBS	1018.5 8.228 308	1018.3 8.017 280	1016.0 7.866 310	1014.8 6.784 300	1014.5 4.698 310	1014.9 4.065 300	1016.0 3.411 310	1016.7 3.424 310	1017.5 4.369 300	1019.0 5.545 310	1020.4 7.564 303	1017.2 6.386 3641
22	MEAN S.D. TOTAL OBS	1019.1 8.270 308	1018.9 8.026 280	1017.2 7.821 310	1016.0 6.750 300	1015.7 4.807 310	1016.2 4.078 300	1017.2 3.381 310	1017.9 3.427 310	1018.5 4.408 300	1019.8 5.476 310	1021.0 7.466 303	1018.1 6.301 3641
ALL HOURS	MEAN S.D. TOTAL OBS	1018.8 8.412 2459	1018.8 8.311 2245	1016.9 8.294 2480	1016.0 7.065 2400	1015.6 4.997 2479	1015.9 4.263 2400	1016.9 3.513 2480	1017.6 3.626 2480	1018.4 4.562 2399	1019.4 5.584 2480	1020.8 7.595 2487	1017.9 6.516 29189